VOL. 31, NO. 27.

CONNELLSVILLE, PA., THURSDAY MORNING, JANUARY 13, 1910.

SIXTEEN PAGES.

## LLSVILLE COKE TRADE OF THE FALL AND THE RISE OF

# NEARLY 18,000,000 TONS SOLD AT AVERAGE PRICE OF \$2 A TON

The Year Opened Up Dull and Spiritless, But Closed With Trade Almost Reaching the Boom Point. Features of the Industry.

gain over the heart-breaking record of sibly be. The following table shows the previous six months. During the actual number of tons shipped this period prices went to low levels. from each region and their destina-Sales of coke went as low as \$1,35 per ton were recorded, though the general base line was in the neighborhood of \$1.50. There was a slight improvement in June, but the boom did not come on until the last quarter, when a natisfactory settlement of the Tariff question was assured and industrial ing the year were intermittent short-activity was resimed. During the ages of labor, cars and water. During last three months of the year the pro-duction rose above 1,800,00 tons per was a tomplaint in the region that month, or within about 6% of the pro-the operators hadn't enough men to

coke trade for the past thirty years, or during the whole period of its importance as an incustry. It shows the aggregate number of ovens in commis-sion at the close of each year, the aumual output, the average price and the demands of the boom which set in in settimated gross value, as compiled September and within a few months from 1880 and published annually by put practically every oven in the region in bleat The Courier:

	Total	Tons	Av.	Gross
Toar.	Ovens	Shipped	Priçe	Revenue.
2850	7,211	2,205,9467	\$1.70	\$ 3,048,643
1981	) 8,2081	2,630,002	1.53	4,801,573
1882	9.283	2,043 334	147	4,475,889
1583	10,176	3,552 402	1.14	4.041,733
1854	10,543	3.192 105	1.13	3,607,078
1883	10,171	3.000.012	1.22	3,777,134
1886	10,952	4,150,521	1.36 1.70	5,701,086
. 1937	.: . [11,923]	4,146 959	1.79	7,487,669
1338	13,975	4.975,558	1 10	5,581,081
1889	114.458	5,950,428	1.34	7,974,663
1890	16,020	6,464 156	1.94	12,537,370
1501	17,204	4,760,667	1.87	8,000,434
1892	17.250	6.329.452	1.53	11,506,407
1893	17,513	1,805,623	1.49	7,141.031
1894	17,934	5,454,451	1 00	3,45+,451
1895	17,047	8,241,433	1.23	10,140,6.8
1876	18.351	5.411,002	1.90	10.282,043
1807	18,628	6,015,652	1.65	11,409,835
1808	118.643	8.460.112	1 55	13,113,179
1899	119.6891	10.120.764	2 00	20,259,528
1900	20,954	10.166.234	2 70	27,448,832
1901	123.575	12.609.949	1.95	24,589,400
1902	[26,320]	14,133,740	2 37	#3,508,714
1903	28.002	13,345,230	3.00	40,035,900
1904	29,119	12,427,468	1 75	21,748,069
1905	30,842	17,896,526	$\frac{2,26}{2.75}$	40,446,349
1906		19 099.320	2.75	54,998,146
, 1907	(35,097)	10,029,058	2 50	55,184,268
1908	[37.842]	10.700.032	1.80	10,260,040
3000	. 39.158	17.785.85-	2.00.	25,571,664

The weekly estimates of production compiled and published by The Courier and elsewhere set forth in detail, thou a production during the year of 17,-565 575 tons. The following tabulation shows the production for each quarter of the year from each of the Connells-

Altife Will Tower	Commons	ite region.
with the aggrega	tes:	
Quarter. Conn.	L. Conn.	Total.
1st 2,055,656	1,327,411	3,381 070
2nd 2,135.444	1,315,795	3.451.23
-Brd 3,205,514	1,768,505	5,067,01
4th 3,498,962	2,167,285	5,666,24
Total .10,988.576	6.576.995	17.565.57

These figures are merely estimates. but they are for all practical purposes ing methods there with a view to

The Connellsville coke trade of 1909 toppages shipped during the year The Connellsville coke trade of 1909 tonoages shipped during the year reflected the country's industrial upilit, just as the trade of 1908 told the distance is show that the actual output of the year, the coke trade fell in volume to half the capacity of the regions and the prices went below \$2 per ton where they had not been since the beginning of the erz of general prosperity which followed the inauguration of the McKinley administration.

The first half of 1909 showed little gain over the heat-breaking record of slibly be. The following table shows

tions:			
Des.	Conn.	L. Conn.	Total.
Pitts	5 302,610	756.955	6,149,574
West .	5,478,278	4,615 611	10,096.869
East .	. 5 302,610 . 5,478,278 . 646,006	S93,293	1,539,389
l			
OTA to 1	74 F10 0=11	COLP OFO	

Among the features of operation dur month, or within about by of the pioductive capacity. Prices rose correspondingly and the year closed with
coke close to \$2.00 per ton.

The following tabulaned statement
gives a comprehensive view of the homeward the previous year, to come back and go to work again. The call was not promptly responded to, and it was not until June that the influx began in earnest, but it fortunately came in sufficient volume to meet the demands of the boom which set in in put practically every oven in the region in blast.

The car supply of the region was be yond serious reproach until the boom came in the fall. As early as June, the Pennsylvania reilroad began introducing their big 40-ton sicel coke cars into the region, and the other lines showed signs of meeting all demands upon them. But hone of the railroads seem to have anticipated the swiftness and size of the coming resumption, and in November complaints of car short-ages were heard, and these grew worse in December, but they were sporadic rather than general. As a matter of fact the railroads have the situation fairly well in hand.

The water famine began early in the summer, was bad in July and appar ently worse in November and Decou ber. In the summer a good rainfall helped to tide over the dry season, but he lack of rain in the fall brought : recurrence of the trouble. Just at the period when plants were shutting down there came another season of rain and snow which filled the reservoirs anew The Frick, Ollver and other plants which draw their water from the Youghiogheny and Monongahela rivers, at no time suffered.

The year happily passed without any mine disasters, though there was a great deal of controversy between the perators and the Chief Mine Inspector concerning the practise of "shooting from the solid." The H. C. Frick Coke Company sent a commission to England and Germany to inspect min-

## Passing of the Coke Drawer From the Ranks of Yard Labor.

The past couple of years have with drawer, nessed some rather startling innovations in coke manufacturing processes, among which may be mentioned the introduction of the mechanical coke has at last been practically incalized drawer and the rectangular coke oven in the Connellsville region.

has at last been practically incalized in the rectangular type of oven, which produces first-grade coke and

operators were still making coke to upon the yard in bulk, hence the popthe same old overs their grandfathular name, "the push-oven." Some fers used, and that while there had been great improvements in min congress timprovements in min congress to the biggest modern plants in the region are being built of this type of struction and operation there had been oven. practically none at the outside opera-

Machines for drawing coke from the bechive ovens have been installed at a great many plants old and new a profitable one in all large operations. These machines not only draw the coke, but they level the oven and load the coke from the yard into the car. They are efficient, economical and extra the control of the color of the co They are efficient, economical and exnovance is reduced to a minimum by numbers until he shall have passed the use of the mechanical coke into memory.

. ಪತಟ್ಟಿತ

It has been a matter of comment of arms itself automatically by means for years that the Connel'sville coke of a ram which pushes the coke out

The first cost of these improvem is much larger than the cost of the

In some features and to a limited pedient. They save the operator from extent they may be found practicable the annoyances of frequent short-handed labor force on the yard causable profitable in small plants, espectable and practicable in small plants, espectable pair (set with so rother causable practically new operations. White, there-do by gain festivities or other causas, fore, the beshive oven will to a certain not to mention the dangers from other extent always remain with the Concauses beyond control. They have regarded by the cherators a more regular output, bare herested by the respectable of the control of the cherators and to a limited seven they may be found to found they may be found to a limited they may be found to found they may be found to a limited they may be found to a limited they may be found to a limited they may be found practicable and profitable in small plants, espectable and pro the operators a more regular output bare-breasted, brow-heated color draw-The machinery sourcimes gets out of er with his long roon hooks pulling order, but comparatively seldom, and out the hig chunks of hot coke will the aggregate delay, expense and an from this time forward dwindle in

### THE TALE TOLD IN TABULAR FORM

In the Statistics Compiled by The Courier From Its Weekly Reports and Other Offi cial Sources.

Shipments from the C	ornell	svi lle	Regio	on by	Months	for 19	909.			
NONE	]	OAP	នេ.		TONS					
MONTH		West.	Enst.	Tot.	Pitts.	West.	East.	Tat.	] •	
January February March Appii May June July August September October November	12,208 12,827 13,220 18,358 15,861 17,513 18,738 20,263 20,196	12 761 12 742 13 502 1 1011 13 541 16 738 19 068 19 187 18 195 18 196 20 650	1,660 1,500 1,717 1,546 1,900 1,772 1,632 1,694 1,583 2,389 2,197	27,653 26,240 28,346 26,977 23,899 34,371 38,563 39,569 40,340 42,559	360,251 332,082 364,232 368,103 367,418 429,421 485,668 507,426 544,895 566,325 540,009	358,975 344,382 372,965 324,739 375,983 467,309 518,769 532,203 511,537 542,984 565,416	48,030 46,703 50,039 54,336 56,315 52,554 49,645 64,369 69,134 62,948	767,256 723,257 787,836 747,178 709,616 949,294 1,054,968 1,986,274 1,110,801 1,168,243 1,168,373	1 d a s u a u	

### Shipments from the Lower Connellsville Region by Months for 1909.

'MONTH		CARS.				TONS.			
MONTH.	Pitts.	West,	East.	Tot.	Pitts.	West.	East.	Tot.	
January February March Apeil May Jone July August September October November	1,597 1,837 1,749 1,669 1,542 1,893 1,861 1,793 1,826	9,529 8,664 7,865 7,255 7,972 9,421 11,601 11,738 12,504 13,508	2,277 2,120 2,126 2,485 2,674 2,406 2,929 2,725 2,942 3,593 3,281	13,129 12,179 11,588 11,597 12,395 13,696 16,072 16,155 17,307 18,894 19,254	46,030 52,360 56,374 68,137 65,413 63,592 45,369 60,844 66,828 65,301 66,466	330,787 310,193 275,716 263,745 297,097 345,708 417,251 421,307 418,955 491,928 511,311	61,577 57,677 65,888 67,691 72,918 65,695 79,259 72,862 78,335 95,872 89,595	435,394 420,230 397,978 397,573 435,428 479,995 551,369 555,013 594,118 653,101 667,372	
December	2,397	13,868.	1871	19,503	87,251 756,965	504,613	85,924 893,293	677,788 G,268,859	

### Output of Both Regions, by Months in Cars and Tons, 1904 to 1909, Inclusive,

•			-B,	.,			20, 2002 10 20	oo, mora	7110.
:	1200	Cars, DAv	Tons.	1907	Cars DAV	Tons.	1906	Cars. DAv	Tons.
ı	January	40,782(1,565	1,205,650	January	62,210,2,307	1,698,475	January	[[49.352 1.502 ]	1.29 £152
1	February	35,419[1,606 30,934[1,479		February	1 27 27 25 17 0	1,626,783	February	51,925 1,850	
c	April	39,574,1 453	1 114.751	March April	595 2.107	1.708 590	March	57,006 1,858    70,904 2,367	1 497,756 1,543,502 :
7	May	41,204 1,53%	1,235,014	May	48.023/2.442				1.451.554
,	June		3,429,244	June	G1.51112.481	1.077.488	June	52,095[1,730]	1,554,470
	July	54,635[2,022 55,721/2,113		Just	68 677 2,567	1.741.01.	July	02.428 2.014	1,622,995
ı	5 ptember	58,217 2,240	1:751:51	August	20 03 7 3 33	1.150.100	August	51,07711 048 06,41392 214	1 328,002 1,726,731
3	October	111,441012,1051	3 421,514 ]	Octoberi	(F) (576)2:393)	1,305,307	October	55.009 1.774)	1,439,286
-	November	61,81 (2,377	1.533.7411	November	43 31 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1.187.790	November	57,267 1,009	1,459,942
-	December	100)	1,633,400	December		677,667	December	58,425[1,585]	1,219,950
-	Total	600,979[1,920	17,755,532	Total			Total	688.328 1.880	17.596.52C
			1	manuscript and manuscript	£		t		
•		Cars. DAv					1904		
,	January	25,622 910 27,011 1,031	742,000	January	02,040(2,380)	1.600.747	January	20,077(1,167)	718,392
-	March	28,66 01,102	\$11.650	March	62,69412,3,14	1,130,402	l'ebruary	35.319[1.433] 87.804[1.400]	845,425 1 004,102
3	April	26,314,1,012	774,915	April	59,92212,367	1,004,006	April		
5	M 13	25,567 948	750,410 (	May	84.02312 1014	1.749.743	May	47.15231.813(	1 146,907
	June	26,00 F t,034 30,068(1,113	550 5 1 1	June	61 117212,372 61,995/2,394	1,654,200	Jule	38,052 1,461	945,520 887,402
-	August	32,535 1,266	732,492	August	64.44(2.33)				975,724
3	September	33,646 1,294	975,000	Septimber	60.15712.406	1.010.509	September	47,574 1,830	1,153,471
3	October	35,252 1,305	[ 1,030,552]	Getober	1 35.940(2.516	1,850,450	October	17, 11 1,5 6	1 148,030
2	November	34,465 1,386 41,593 1,597	1.100.036	Note aber	(65,194)2,507	1,732,234		49,921,1,920	1,207,131
	December	41,533'1,597	1,190,036	December	61,881)2.361	1,035,283	December	50,320,1,564	1,207,131

### Coke Production for 1909 From The Courier's Weekly Reports.

		PIRS	T QUART	ER.					
!	Region	L. Conn	cilsville	Region	Ag. Both Regions.				
Week Ending	Ovens	In	Tons	Ovens	In	Tons	Ovens	ıα[	Tons
January 2		13.409	148 710	13,329	9.147	103,348	37.839	22,556	252,058
January 9		14,567	159,198	13,333	0,086	105,960 .	37.842	23,653	265,158
January 16	24 510	14,439	158,344	13,335	9,039	104,098		23,478	262,440
January 23	24,510	14,558	161,593	13,335	9,040	106,116		23,598	267,709
January 36		11,522	163,236	13,335	9,042	103,278	37 845	23,564	265.314
February 6	24,190	14,989	159,228	13,621	9,123	102,928	35,111	24.112	262.156
February 13	24,490	14,816	161,354	13,621	9,226	104,604	38.111	24.006	268,958
Pebruary 20	24,490	14,740	156,952	jj 13,717	9,262	108,667	38,207	24.002	265.619
February 27	24 490	1.1,733	161,081	13,717	9,312	107,771		24.044	268.852
March 6	21,190	14,670	160.128	13,717	8,548	100,559		23.218	260.987
March 13	24.490	14.650	158,504	13.717	8.186	94,013	35,207	22,536	252,617
March 20 '	24 490	14,650	158,994	13.717	8.472	92,357	38,207	23,122	251.261
March 27	24,342	14,269	146,024		S,289	91,717	38,100	22,558	237,741
		SECO	O OHAR	TEB.					

		SECO:	O QUAR	ren.			1 101220	22,000	20,,141
	Conn	elisville	Region	L. Conn	ellsville	Region	Ag. I	3oth Re	ions.
Week Ending.	Ovens	ln	Tons	Ovens	ln.	Tons	Оусая	Jn	Tons
April 3	24,342	14,039	182,508	13,758	8,234		38,100	22,273	245,450
April 10	24,342 24,342	13,94 £ 13,962	142,314 142,604	] 13,778     13,778	8,124 8,146	91,374 90,547	38,120     38,120	22,068 22,108	233,718
April 24	24,342 24,342	13,873 13,874	141,060     142,839	13,778	7,931 $7,791$	80,169 86,668	38,120 38,120	31,801 21,665	230,229 229,507
May 8	24,342 24,342	14,011 14,011	152,081 152,539	13,778 13,778	8,175 8,609	92,198 99,946	38,120 38,120	22,216 22,650	214,279 252,485
May 22	24,550 24,550	15,127 15,180	171,378 173,591	13,778	8,903 9,166	107,851 111,275	38,328	24,090	278,729
June 5	21,550	15,490	176,011	13,771	9,610	115,675	38,328 38,324	24,646 25,100	281,866 291,686
June 12	24,550 21,549	18,142 18,386	190,735 197,166	13,774   13,776	9,628 9,683	108,756 109,858	38,324    38,325	27,770 28,069	299,491 307,014
June 26	21,549	18,745 THAN	200,600 - D OMARI	11	9,919	120,034	38,478	28,665	320,634

THIRD QUARTER.										
	Conn	elisville	Region	L. Conn	ellsville	Region	Ag.	3oth Reg	jions.	
Week Ending.	Очерь	In	Tons	Ovens	In.	Tous	Ovens	In	Tons	
July 3	24,549	18,84 L	203,121	13,929	9,936	121,960	38,178	28,777	324,181	
July 10	$24,549 \\ 24,549$	19,586 20,018	181,355 262,246	13,927 13,927	10,097 10,081	109.112     122.179	38,476     38,476	29,638 30 129	290,467 $384,125$	
July 24	21 349	20,029	253,175	13,927	10,245	132,277	38,476	30,274	385,452	
July 81,	24, 49 24, 549	20,017	255,086   262,654	13,927	10,355 10 430	129,732	38,476	30,372	395,817	
August 7	24,555	20,112	204,004	13,928	10,701	133,010     133,358	38,477 38,483	30 542 30.529	395,664 395,188	
August 21	24,555	20,169	262.488	13,928	10,793	135,511	38.483	30,962	397 979	
August 28 September 4	24,555 24,555	20.553 20,922	267,740   272,254	14,003 14.003	11,578 11,552	148,614   149,066	38,558     38,558	$\begin{array}{c c} 32,131 \\ 32,471 \end{array}$	416 354 421 320	
September 11	21,555	20,995	273.067	14.003	11,730	151.511		32,728	121,56S	
September 18	24,555	27,008	273,390	14,004	11,969	153,258	38,559	32,917	426,648	
September 25	24,555	21,031	269,139	14,004	12,001	119,817	35,559	33,092	418,956	
		CORR	TH QUAR	TER.						

		ROUR,	ГН ООАВ	TER.					
	Conn	ellsville	ie Region   L. Con		ellsv¹ile	Region	Ag.	gions.	
Wiek Ending	Ovens	1n	Tons	Ovens	ln	Tons	Ovens	lu	Tons
October 2	24,555	22,477	272,324	14,004	12,216	151,495		34,693	423,839
October 9	24,355	22,477	286.334	14.604	12,816	151,495	39,159	35,393	137.829
October 16	24 555	21,631	272,957	14,119	12,491	155,356	38 674	34,122	428,313
October 23	24,555	21,608	275.880	14,179	12,892	166,446	39,034	34,500	442,326
October 30	24.555	21.639	277.963	14.479	13,067	172,805	39,034	34,706	450,768
November 6	24,555	21,639	281.778	14.515	1.3.103	174.277	39,070	34,742	456.055
November 13	24.555	21 552	278,441	14.634	13,586	179,888 :	39.189	35.268	458,329
November 20	24.555	21,572	243,079	14.652	13,449	169,077	1 39 207	35,021	112,156
November 27	24,555	21,502	1 268.648	14.652	13,864	177.340	39,207	35,366	445,988
December 4		21.195	270.102		13,843	174,508	29,227	35,338	444.610
December 11		21.602	269.345	14,672	13.810	169,420	39,227	35,413	438,765
December 18		21,752		14.795	14,001	182,594	39,263	35.733	452.735
December 25		21.718	232,070		13,963	142,484		35,711	371,554

# PRICES OF CONNELLSVILLE COKE FLUCTUATED WILDLY IN 1909.

Perhaps the Most Notable Feature Was the Determined Efforts of the Operators to Protect Their Market. What the Coke Merger Did.

1809 fluctuated wildly, fell into the looked good to them; and it didn't depths and finally rose to the heights; deceive its looks. The boom was and the year which opened in the glad-income of adversity closed in the glad-income of prosperity. Perhaps the most coke close to \$2 per ton. The following chapter of this most interesting the gives the average prices of ling chapter of the trade history is furnace and foundry coke by months ing chapter of the trade history is that which deals with the determined efforts of the operators to protect heir market and maintain at all times firmly the prices of their product. This was reflected in the making of some contracts for a term of years on a sliding scale basis or a straight price, but it was most strikingly illustrated in the proposed coke merger. The merger failed, but that its spirit is still alive is shown in the disposition to eliminate the middleman and

establish a joint selling agency.

The price of coke during 1909 was all things to all men. During the greater part of the year it was very satisfactory to the buyer, however ed \$1.40. In April, the agreement be-tween some fifty of the independent onerators to hold for \$1.75 coke was operators to hold for \$1.15 CORE Was chrogated by nutual consent. The necessities of some of the smaller operators obliged them to play the pirate, and with the able assistance of some of the buccaneering brokers they succeeded in getting coke down to the profiless price mentioned. to the profiless price mentioned. Some sales as low as \$1.35 were reported. In the meantime, a determined but small group of operators shut down their plants and announced that they would not run there again with they great these \$2.00 for 1.36%. en that they would not run them again until they got at least \$2.00 for their coke. Events justified their foresight. During this period some long-term contracts were made on a shifting real the beautiful. scale the basis being the price of pig

irrbuted to recovery by going into the market and purchasing 100,000 tons of furnace coke. Its farseeing manafor may have had a wireless from their Washington correspondent, or they may have guessed it, but they got a straight tip. The Tariff was destined to be settled in a manner satisfactory to the industrial interests on nothing could ston the coming reand nothing could stop the conting re-

covery.

In September, the manufacturing world began to discount the passage of the Tariff bill and to resume operations freely. The fate of the merger was at this time foreshadewed, and it was known as the Coke Syndicate, and was composed of the four leading was no longer a factor in the price question. Some of the small operators, who had hitherto been afraid the coke Company, J. M. Schoonmaker tors, who had hitherto been afraid the Coke Company and Connellsville Coke coke more recovery was no longer as were now (Continued on Fourth Fares).

Prices of Connelleville coke during |afraid it wouldn't fail. The open marke

urnace and foundry c	oke by months
or the year:	-
Month, Furnac	e. Foundry,
anuery\$1.70	\$2.10
February 1,65	2.00
Carch 1.55	2.00
April 1.43	3.90
Nay 1.45	1.85
une 1.50	1.85
fuly L55	1.85
August 1.75	2.00
September 230	21.50
October, 280	2,75
November 2.85	
December 2.87	
These quotations as	a for "proper

coke," that is to say for coke sold on demand without a contract. It reprenot always the average price actually received for the region's output. "Consatisfactory to the buyer, however satisfactory to the buyer, however school he admitted it; but the clossing mentles saw the smile of satisfaction shining from the countenance of the manufacturer. The year opened with furnace coke at \$1.70 for prompt delivery, fundry \$2.10. It sagged until May, when it had reached at \$1.40 ln April, the agreement be helped the average when coke was low and pulled it down when it went high. Many contracts were made for coke during the first half at \$190@2.00 owing to the election boom marked the close of 1908, but most of these were rewritten; for the second half, contracts were made at \$1.60@

1.70. The average of \$2.00 for the year means the average of all coke, both furnace and foundry. The average price of furnace coke was approximately \$1.90 and of foundry \$2.20,

In connection with the matter of coke prices, the operators are becom-ing very restless under the roke of the coke brokers. They charge the brokers with bad practise as well as There was a slight recovery during the midsummer owing chiefly to the confidence inspired by prospects of a composite considered and the consumer, that they have been always as well as bad faith. They say the blockers are not content to make a profit off of both the producer and the consumer, connuence inspired by prospects of a both the producer and the consumer, corporate consolidation which then seemed bright. Prices rose to \$150 way to depress the coke market by persistent instinuations and misrepreprices gathered strength. In August they were \$1.75. The United States Steel Corporation about this time contributed to recover by going and they are getting fired of the whole system. are getting fired of the whole system. They see πο good reason why they should not sell their own coke, and sell it to a much better advantage. The suggestion of The Weekly Courier last week, that the Connellsville oper-ators should form a selling syndicate and dispense with the services of brokers, is being seriously discussed, and some action along this line is possible.

It is recalled that the Connellsville

### The Proposed Coke Merger and The Part It Played in the Trade.

The story of the Councilsville coke them actually appraised. The appraise trade of 1909 would not be complete ments were conducted with strict important a brief mention of the rise and tall of the coke merger, which, though it died, did not live in vain as times ally accepted. Included in the merger

The coke merger, as it was popularly called, was a proposition to combine overs built and under construction, all the independent operators into one and 8.000 acres of surface. The aggreall the independent operators into one and \$,000 acres of surface. The aggre-by John W. Boileau, a prominent greated \$75,000,000. This was more pittsburg broker in coal and coke properties, and was taken up by a syndicate of bankers and others headed by Charles McKnight, President of the National Bark of Western Pennsylvano fittsburg. It was proached in the duions were very unsatisfactory and trade prospects exceedingly discouraging. It seemed to be the recovery in the recovery and trade prospects exceedingly discouraging in the recovery in the ing It seemed to be the pschycologi-cal moment to aunch such a proposi-tion. It pointed the way to prosperity,

but by a singular paradox everything out action.

The merger, however, started out bravely. With the exception of some of the larger interests which were ited up with trusteeships and other inhibitions unon selling or merging their interesting the state of the larger interests which were ited and some of the principal vendors, finally became irreconcilable. In one important respect the merger materially hencefitted the coke operance. up with trusteeships and other inhibitions upon selling or merging their interests, the independent operators generally joined in the movement and gave options on their properties extending to October 1st. Over 75 plants were considered and 60 of condition to their profit.

ally accepted. Included in the merger ns finally determined upon were 38,-000 acres or Connellsville coal, 10,000

say it was practically financed, but after a number of conferences in New York with the leading vendors the options were allowed to expire with-

# THE COKE TRADE

Shows a Good Healthy Gain

trary that a stiffening of prices will be the condition, since the last six months has shown a general increase in production and demand, and this prophery as to stiffening is capped by the wage advance which the Friek company posted this week, and which the independents have follow-

The physical conditions now sur rounding the manufacture of coke are excellent. The necessary water sup-ply is plentiful in volume, the snows and rains having filled the reservoirs with good water. Labor remains in fair demand and it seems likely that the wage advance will act as a stim-

ulant to the supply, In all lines the outlook continues be bright for the coming months of this entire year.

COKE PLANT SOLD.

Landing Plant.

Landing Plant.

By a deal consummated Saturday
E. D. Fulton disposed of his plant of
the Jucobs Creek Coal & Coke Cont
pany at Gray's Lending to William
Estal for a consideration of about \$75ooe. The purchaser, who has been
superintendent of the plant for some
time, will take full course at once.
The plant courses of a lovens with a
surface of 120 acres.

surface of 120 acres. Mr. Beal leased the plant a short time ago and had been operating it. The Co The coal which is of the five-foot Schoolness wickley vein is considered good.

### IMPROVEMENT SHOWN BY 1909 COAL OUTPUT

Shows a Good Healthy Gain in Production and Shipments.

Statements made to the United States others conversant with the ceal-mining industry liddeate that the production of coal in the United States in 1909, while exceeding that of 1908, did not reach the high-water mark attained in 1907, the banner year of industrial activity in this country. It is of course impossible to give accurate information regarding tonnage that the production of notice of course impossible to give accurate information regarding tonnage that the permanent in the Demand—Large Contracting Seems Imminent.

PRODUCTION.

Production of Abatement in the Demand—Large Contracting Seems Imminent.

Production of Abatement in the Demand—Large Contracting Seems Imminent.

Production of Abatement in the Demand—Large Contracting Seems Imminent.

Production of Abatement in the Demand—Large Contracting Seems Imminent.

Production of Abatement in the Demand—Large Contracting Seems Imminent.

Production of Abatement in the Demand—Large Contracting Seems Imminent of Imminent Seems Imminent of Imminent Seems Immine

Commission of Pennsylvania Landson Lan

# SOON HOLD MEETING

Will Gather to Discuss and Plan for Winter Dance and Reception.

SCOTTDALE, Jan. 12.—The Frick Veterans' Association, composed of those who have been in the service of the H. C. Frick Coke Company for 20 years or more, are becoming interested in the discussion of the time on which they will probably hold their winter reception and dance. President W. A. Todd and Secretary J. A. Earnhart of Scottdale, will send out a notice to all members calling a E. D. Fulton Gots \$75,700 For Gray's in either Scottdale or Connellsville,

Cambria Steel Follows, The Cambria Steel Company an-nonness that it will pay the same scale as the Frick company

### The Connellsville District

OF LAST WEEK Figures From All Parts of Eastern With Their Owners, Address and Ovens in Blast Corrected to Saturday, Jan. 8, 1910.

.	Total Ovens.	In 1	Name of Works.	. Name of Operators.	P. O. Address.
1	267	Blast. 259	Acme	W. J. *:alney	New York, N. Y
	· 875	86 275	Acme Adelaide	W. J. **ininey* Penn **inke Co. H. C. **pick Coke Co. K. C. **pick Coke Co. M. C. **pick Coke Co. What on **pick Coke Co. What on **pick Coke Co. M. T. **essain Coke Co. M. T. **essain Coke Co. H. C. **pick Coke Co. Freierse-Connollerille Coke Co. Freierse-Connolleril	Pittanura
1	202 204	263 204	Adelaide, Alverton No. 1 Alverton No. 2	H. C. Prick Coke Co	Pittsburk
١:	50 397	40 397	Atlas No. 1 Boggoley Beatty	Camb, la Steel Co	Dunbar Pittaburg
-į	182 25	182 25	Beatty	Mt. Picasant Coke Co	Gyeensture
- [	200	200 24	Bitner	H. C. Frick Coke Co	Pittsburg
-	85 120 240	320 240	Boyer Brinkerton	Mt. P easant Coke Co	Greenannik
- -	215 . 30	260 30	Brekeye Brush Run	H. C. Friek Coke Co	1"thaburg
n đ	260 57	260 57	Cahimet	H. C. Frick Coke Co	Creanaburg
a	32	32 300	Carbon. Carolyn Central Chester. Clare.	Peerless Connellsville Coke Co	Pitisburg
o r	203 54 100	54 100	Chester	Sunshine Coal & Coke Co	Unionmwn
٥	108 120	100 90 120	Clar.ssa	James Cochran Sons Co	Dowson
s n	400 400	400 100	Collier. Continental No. 1	H. C. Frick Coke Co.	Pictsburg Pittsburg Pittsburg Pittsburg Pittsburg Pittsburg
),` 5,	326 300	326 300	Continental No. 2	Fl. C. Frick Coke Co.	Pitlahurg.
ď	120 433	120	Crossland	H. C. Frick Coke Co	Pittsburg
ī	- 10 230		Dexter.	J. R. Stanifer & Co	Pitteburg Scotidale Pittsburg Brownsville
c	. \$60	198	Ddan.	Dunn-Connelisville Coke Co	Brownsville
y	50 PO	50 60	Ellen No. 2	Whyel Coke Co.	Unsoatown
3	278 48	213	Eim Grove	W. J. Hainey	Greensbuck. New York, N. Y
a. S	186	126	Fort Hill	W. J. Bainey	Pittaburg, N. Y New York, N. Y Pittaburg
0	75 50 106	50	Franklin.	Lincoln Conl & Coke Co	Scottdale
n	101 408	10i 152	Gilmore	Gilmore Coke Co	Unantown . Y
5. L-	272 500	272	Hecla No. 1	H. C. Frick Coke Co.	Princurr Unentown New York, N. Y. Pittsburg Pittsburg Pittsburg Missontown
8	. Sou	1060 50	Heela No. 3	H. C. Frick Coke Co	l'ittabury
π	50 120 20	80	Henry Clay	H. C. Frick Coke Co.	Pitteburg
y	355	355 100	Hostetter	Hostetter-Connelisville Coke Co	Phiaburs
e n	103 <b>25</b> 3 20	250	Juniala.	H. C. Frick Cake Co.	Pittaburk Connellaville,
£	#06 600	305 500	Kyle Leisenring No. 1 Leisenring No. 2	H. C. Frisk Coke Co.	Pittaburg
h-	500 604	500 500	Leisenring No. 2	H. C. Frick Coke Co.	Putaburg
n Ti	508	208	Leith Lemont No. 1 Lemont No. 2	H. C. Frick Cokn Cu.	Pittsburg  Pittsburg  Pittsburg
ŧ-	227 350 , 20	250 20	Lemont No. 2	Perrieso-Connelleville Coke Co.  B. C. Frick Coke Co.  Sunahites Coal & Coke Co.  Clare Coke Co.  James Cochran Sons Co.  E. C. Frick Coke Co.  James Cochran Sons Co.  E. C. Frick Coke Co.  H. C. Frick Coke Co.  Junn Coentelleville Coke Co.  Whysi Coke Co.  Whysi Coke Co.  Whysi Coke Co.  W. J. Bainey  H. C. Frich Coke Co.  W. J. Bainey  H. C. Frich Coke Co.  W. J. Bainey  H. C. Frich Coke Co.  H. C. Frick Coke Co.	Pittsburg
S	82.49	32 45	Leve	King Cale Co.  Gville-Mutusi Coul & Coke Co.  United Connellaville Coke Co.	Scottdale
r	40 208	1 40	Mageo	Marion Colle Ci	Pittsburg Unicators n Dutabar
e	610 400	510	Mammorn	Cambria Steel Co. H. C. Frick Coka Co. H. C. Frick Coke Co. Starjon Coke Co.	District
a.	25 40	25 40	Martinbel	Starion Colic Cas Northern Connell wills Cake Co.	Piltaburg Udeli, Pa Connellsville
n	165 870	100	Morgan	Marjon Coke Ca Northern Conseller the Coke Co. H. C. Frick Coke Co W. J. Esiner Mt. Plessant-Connails ville Coke Co.	Piltabura
e	160	100	Mt. Pleasant	M. J. Pienery  M. J. Pienery  M. J. Pieck O'se Co.  M. C. Prick O'se Co.  M. C. Prick O'se Co.  M. C. Prick Code Co.  Brownie Cochran  M. C. Prick Code Co.  Diver & Snyder Steri Co.  Oliver & Snyder Steri Co.  W. J. Rainer  Pennsyllie Coke Co.  W. J. Rainer  Pennsyllie Coke Co.  W. J. Rainer  M. C. Prick Coke Co.  W. J. Rainer  M. C. Prick Coke Co.  W. J. Rainer  M. J. Prick Coke Co.  Suria Rainer  Shannon Conil & Coke Co.  Dunhar Furpaca Co.  South Fayette Coal & Coke Co.  South Fayette Coal & Coke Co.  M. L. Frick Coke Co.  M. L. Frick Coke Co.  M. L. Trick Coke Co.  South Fayette Coal & Coke Co.  M. L. Frick Coke Co.	Greensburg, Pa
ì	195 32	195	Muctual	H. C. Frick Coke Ca. Brownfield 47 ville Coke Co.	Pittsburg Pittsburg Uniontown
i -	303 262	229	Neilin	Brown & Cochran	Dawson Peraburg Pinaberk Pinaberg Praburg
a	825 439	329 450	Oliver No. 1	Oliver & Snyder Steel Co	President
ū	300 205	306 205	Of ver No. 3 Peinter	Oliver & Smyder Steel Co.	P-Daburg
-	483 25	312	Paul Pennsyllie	W. J. Rainey	Pittapure New York N. Y Pennsville
-	15 400		Perey	Percy Mining Co	Percy
a	166 446 650	446	Redstone	W. J. Rainey	Pittsburg New York, N. Y.
ß	650 26		Reverel.	W. J. Rainey Shannon Coulde Coke Co	Pathaburg New York, N. Y., Un untown
ė	110	110	Semet-Solvay	Dunhar Furnace Ca. Shannon Coal & Coke Co.	Dunbar Uniontown
ь h	36 448	26 443	Shiray	South Payette Coal & Coke Co	Unwellown
T	(A) 202	575 253	Southwest No. 1	H. C. Friek Coke Co.	Pittsburg
d	205 15)	205 151	Southwest No. 3 Southwest No. 4	H. C. Frick Coke Ca.	Pittsburg
h a	81 001	61 901	Spring Grove	Cochrap Bros. H. C. Frick Coke Co.	Dawson
п	30	112	Sterling No. 2	H. C. Frick Coke Co.	Pritishum
۱- ن	355 121 40	121	Summit	H. C. Frick Coke Co. Whyel Coke Co.	Unientown
	56 464	40 464	Tip Top	Shannon Cont. & Core Co.  Dunhar Furnace Co.  Shannon Coal & Cole Co.  Shannon Coal & Cole Co.  Shannon Coal & Cole Co.  If. C. Frick Cole Co.	Pittature
۲	32 70	· · · ;	Tyrone	American Cool Mining Co.	Pritagore
Ĺ	359 251	350 251	United	H. C. Frick Coke Co H. C. Frick Coke Co	Patelarg
e E	80 200 862	80 160	White	Veteran Coke Ca	Greensburg
-	200	352 800	Whitney	Hostetter-Convellaville Coke Co	Pittsburg Pittsburg
Ö	560 240.	550	YorkrunYounwatown	H. C. Frick Cake Co. Hostester-Connellaville Coke Co. H. C. Frick Coke Co. H. C. Frick Coke Co. H. C. Frick Coke Co.	Pattaburg
e h					
					A SHARMAN
-	<b>#</b>				B.

# Fire Clay-BRICK-Silica

EVERY TYPE OF OVEN.

BOILER SETTINGS, WASTE FLUES AND CONDUITS.

Conceded by operators to be the highest quality on the market. Large stock carried at all times. Uniform workmanship. The brick most suitable for modern conditions.

This has been proved by large demand for our material in Long, By-Product and Machine Drawn Beehive Ovens.

For further details address.

Harbison-Walker Refractories Co.

# **Orient Coke Co.,**

Furnace and Foundry Coke.

Works: ORIENT, PA. Main Office:......UNIONTOWN, PA.

CONNECTIONS, P. R. R., P. & L. E., B. & C. R. R.

## Foundations ♥for Fortunes ₩

Are right here in the advertising columns of this paper. If what you're selling has merit, ADVERTISE IT. An ad, will sell it for you.

Convitable 1980, by W. N. G. TRY OUR WANT ADS.

Mine Ties. Props and Hardwood Rails.

Miller Lumber Co.

GRANTSVILLE, MD.

Manufacturers of

# BESSEMER COKE CO.

MANUFACTURERS AND SHIPPERS OF

# Genuine Standard

Connellsville Coke.

Furnance, Foundry

and Crushed Coke.

Mines and Ovens in Connellsville Region. Direct Connections with all Railroads Entering the Region.

**OFFICES:** 

LEWIS BLOCK, PITTSBURG, PA.

INDIVIDUAL CARS.

C. M. WCLFF, General Agent.

Hostetter Connellsville Coke Company, HIGHEST GRADE

# Connellsville Coke

Furnace and Foundry Orders Solicited.

Branch Office, Carnegie Building, Pittsburg, Pa. (BELL TELEPHONE,)

General Office, DAWSON, FAYETTE COUNTY, PA. 5,000 Tons Daily Capacity. Individual Cars

YOUGHIOGHENY

Steam

CONNELLS VILLE COKE

Fnrnace Crushed

Sales Office: PITTSBURG, PA.

Shipments via B. & O. R. R. and P. & L. E. R. R. and Connections, N. P. HYNDMAN, Sales Agent. H. R. HYNDMAN, Assistant Sales Agent.

# Pickands-Magee Co.,

Connellsville Coke

**FURNACE** 

GAS

Building Annex, Pittsburg, Pa.

STEAM

FOUNDRY

CRUSHED

AND

SMITHING COAL

Orders and Correspondence Solicited.

GENERAL OFFICE,

SHIPPING OFFICE. First National Bank Building, Uniontows,

# **COKE SELLING END** HAS STRONG FRONT

But the Market Is Developing Into a Near Mystery.

### A COOD DEAL OF QUIET BUYING

Tide Over the Early Period-increased Requirements Are in Sight From Several Furnaces.

(Special to The Weekly Courier.) PITTSBURG, Jan. 12.—The coke market is developing into a mystery. The new year is west opened up, and there has been no activity. Many contracts expired with the year. There are uncovered consumptive requireents running into tens of thousands, if not hundreds of thousands of tops a month, yet there is unsold production. It was supposed that it would be necessary for consumers to buy at heart for January in order to keep in operation, and it is a growing suspleion that there must have been a good bit of quiet buying, perhaps a month ago, in order to tide over this period! the valuation at two-thirds what the As to furnaces accumulating stocks, it is held that nearly all expiring contracts were for furnace requirements, is not to be thought of, considering the prices on expiring contracts.

The seiling end of the coke market presents a strong front. Prices are well held. In the absence of much activity the prompt market can be quoted at \$2.65@\$2.75, while on contract the asking price is uniformly \$2.75. Foundry coke is quotable, unchanged. at \$3.10@\$3.25 on prompt, and \$3.25 1996 and the present market value of the black diamonds:

There is every reason to believe that the H. C. Frick Coke Company has not bought any coke, despite fugitive reports to the contrary. It has lately been stated by gentlemen thoroughly posted in the company's affairs that it has 600,000 tons of coke in stock. In some quarters it is suggested that the information may have been given with an ulterior object.

Between 40,000 and 50,000 tons monthly of new coke coasumption is in sight and this increase in require-nexts should have a material effect apon, the situation. There are five blast furnaces about to go in, 25 fol-lows: One Andrews & Hitchcock stack, Hubbard, O., rebuilt and to go into blast before the end of the month; Fannie at West Middlesex, Pa., ont for relining and to go in about February 1. Also the following entire-ly new stacks, all expected about February 1: The first Corrigan, Mc-Kinney & Company stack at Cleve-land; Zug No. 2, at Detroit, and Worth Brothers Company's first stack at Coatesville, Pa.

Coke interests la Pittsburg were almost as much surprised at the H. C. Frick Coke Company's action in posting notices of a wage advance on Monday as they were in the first place. when the company passed the action January 1. The gossip is that the reas-on the company did not make the advance January 1 and then made it as this time is that it wished to pre-serve its reputation for doing things without the public having advance knowledge. The predictions had been general that there would be an advance January 1.

### NO MATERIAL CHANGE.

Expected This Month But Better Buying of Metal Products Near. Special to The Weekly Courier. NEW YORK, Jan. 12.- The Ameri-

NEW YORK, Jan. 12.—The American Metal Market and Daily Iron and Steel Report says:

The finished steel trade continues very quiet. Producers of bars, plates and shaves are well content that it should be so, since they had feters during the phenomenal improvement of last year that the movement was no rapid and would invite a restion. Producers of wire and pipe have less reason to be content with the condition since as a rule they are not sold so far ahead and will need to book, additional business from time to time. The sheet and the plate mills are comfortably diled.

Biled.

No material change in conditions is Baltimore & Ohio railroad yesterday expected this month, but somewhat issued a statement denying that the test of conditions will come in case the lines not so well sold up at present are forced to decreuse their production of flaished lines, since that would release some crude steel. Naturally the fact that certain lines are sold up to capacity for four or six months does not write a guarantee over the whole the certain statement.

The Railway Age Gazette says that worked a guarantee over the whole the certain statement.

pacity for four or six months does not write a guarantee over the whole steel industry.

It is believed that there has been considerable quiet buying of foundry iron in the Central West in the post few weeks, and reports are that shipments of basic pig from are heing made to the Standard Steel Car Company at

Butter, Pa. This would suggest bustness of which the market at large has
not been apprised. It is probable that
the Central Vestern furnaces are better sold up than is believed in somequarters and some stocks in the valleys which have intely attracted attention are stated to be sold, and in
some cases paid for.
Wages in the Connellsville ofter reglor, effective January 16, are advanced from a \$1.20 to a \$1.35 mining rate.
This fully restores the highest wages

ed from a salv to a grow mining This fully restores the highest ever paid, and on some minor makes a slightly higher rate ever before paid.

### COAL ASSESSMENTS.

Problem Greene County Commission ers Are Wrestling With,

The Commissioners of Greene county are wrestling with the problem of equalizing coal assessments. They have decided that the figures in the

different townships as fixed by the several assessors must be adjusted. In some townships the figures are placed at about one-half the market value of the coal, while in other districts the figures are as low as one-fifth or one-sixth of the price obtained at some of the recent sales. The matter of fixing the assessed

value was discussed at length, but no decision could be reached because of the difference of opinion of the three men. Another meeting will be held this week, when it is likely that the matter will be adjusted in some way. It has been learned that Commis-sioner Johnson is the highest man when it comes to fixing assessed value. At the recent meeting he ex-pressed himself as in favor of placing coal has been selling for in the differ-ent townships. Commissioner Ross, it is said, thought this was raising the so that stocks could not be accumulativaluation too much from what it was ed unless operators gave more coke three years ago and wished to place than they bargained to give; and that the figures at one-half the market. value. Commissioner Bailey held a different view. He feels that a high valuation will retard coal speculation and for this reason he favored the placing of the voluntion at the same figure as it has been for the post

three years.
Following is a table, which shows assessed value of coal in 1909 and

	1900 with the bicacut me	LILLOU PLA	-46 01
	the black diamonds:		- 1
	First column, 1909 v	alue; s	econd,
	1906 value; third, selling	price.	i
	Aleppe \$ 30	\$ 20	\$ 75
	Carmichaels 40		500
	Center 60	35	150
	Charksville 400	71)	្រែល្ប
	Cumberland 100	ಕಿತ	500 }
	Dunkard 260	85	500
	Franklin 100	7.5	225
	Greene 1(16)	75	400
	Gilmore 35	35	100
	Jackson 40	20	100
	Jefferson 200	70	500
	Morgan 300	70	500
	Monongahela 150	100	525
	Mount Morris 125	40	250
	Morris 50	30	150
	Perry 125	40	2.0
	Richhill 35	25	100
	Rice's Landing 200	200	600 }
	Springhill 35	20	50
	Wayne 60	20	150
	Washington 125	25	250
	Whiteley 75	50	2.0
1	Warrante 190		625

### FREIGHT RATES

t	<u> </u>
	On Cake From the Connellsville Re-
- 1	gion as Quoted by Railroads.
1	g · -
	Akron. O
ŧ i	Paitimore 2.15
	Bay City. Mich 2.65
	Beaver Falls, Pa 1.2)
	Bellville, Ill 2.80
٠	Boston 3.50
•	
-	
٠,	
- 1	Chicago, Ill. 265 Chilligothe 2.00
٠	
٠,	Cincinnati, O
	Columbus
	Crestine 2.00
	Dayton, O200
٠,	Detroit
٠l	East St. Louis, Ill
	Emporium, Pa 1.80
	Erie, Pa
-	Evinsville, Ind
1	Ft. Wayne, Ind 2.35
Ì	Greensburg, Ind 2.35
į	Harrishmer
	Indiananolis, Ind.
Ì	International Bridge, N. Y 2.00
ı	Leskawann N. V
-	Louisville, Kv
١	Mayville, Wis 2.80
١	William takee. Wis
١	Montron !
1	Muskegon, Mich 2.65
ı	New York, 2.85
1	OH City, Pa 1.60
	Peorle. [1]
:	Pittabarg
i	Richmond, Ind
ľ	Righmond, Va 205
	Shawner, Q 1.70
	Sheningo, Pa
Ĺ	Wheeling, W. Va
. ]	South Amboy, N. J
١ì	Suspension Bridge, N. Y 2 15. Terra Haute, Ind 2.65
:	Perra mante, ind.,
. ,	

Murray Issues Statement. President Osgar G. Murray of the

The Railway Age Gazetto says that 186,369 freight cars were ordered from American car building compantes in 1909. Foreign roads got 2,435 of blese cars.

The Weekly Courier, \$1.00 a year

# ALBERT LADD COLBY

CONSULTING ENGINEER.

Advice on American and Foreign Types of BY-PRODUCT COKE OVENS.

Telegrams, ALADDCO.

SOUTH BETHLEHEM, PA.

LIST OF COKE OVENS IN

### The Lower Connellsville District

With Their Owners, Address and Ovens in Blast Corrected to Saturday, Jan. 8, 1910.

Total Ovens	In Binst	_ Name of Works.	Name of Operators.	P. O. Address.				
40	40	Adah	Adoh Cake Company,	Uniontown				
72 82	32 32	Anica. Annamyra.	Raine & Wilkey Coke Co	Uniontown				
139	89	Atcheson	John R Carothers Hepublic from & Steel Co. Baxter Ridgin Cail & Cake Co. H. C. Frick Cake Co.	Gord				
20	20	Atcheson	Raxter Ridge Coul & Coke Co	Gons Uniontown				
100 470	100 470	Bridgeport Brier Hill	Union Will Color Co.	Pittshurg				
1 2n i	20		Browning Coke Co	I Importawn				
1 60	50		Brian Hill Coke Co Browning Coke Co Browning Coke Co	Brownsville				
426 34	426 34	Buffington	H C Prick Colle Co	Pittshurg				
205	20		Century Coke Cp	Brownsyille				
40	24	Champion	Smithied Ceal & Coke Co. Century Coke Co. Champion Connellavillo Coke Co. Coloma Coke Co. Loca Co. Loc	Uniontown				
24 500	451	Colonial No. 1 Colonial No. 2 Colonial No. 2	Colonyal Coke Co	Pittsbury				
30		Colonial No. 2	Colonial Coke Co	Pittsburg				
156 300	110 220	Colonial No. 3 Colonial No. 4	Colon al Coke Co.,	Pittaburg				
142	122		Rocks Cost & Coke Co	Masontown				
120	110	Crystal	Sackett Coal & Coke Co	Masantown Smithheld				
250 162	250 162	Dearth Donald No. 1 Donald No. 2 Dorothos	H. C. Frick Coke Co Consolidated Councilsville Coke Co Consolidated Councilsville Coke Co Long City Cost, & Coke Co	Pitulnirk Uniontown				
240	240	Donald No. 2	Correctidated Connelleville Coke Co	I wient truth				
] 50	30							
, 41 52	44 52	Dorothy E. Connellaville.	Jacobs Creek Foke Co	Uniontown				
300	100		E. Coure Haville Cool & Coke Co.  H. G. Frick Coke Co.  Wattersburg Coke Co.  South Fayette Coke Co.  South Fayette Coke Co.  Strittlers Coxe Co.  Strittlers Coxe Co.  Jas. Hyrne & Co.  H. C. Frick Coke Co.  Sunshine Cont & Coke Co.  Sunshine Cont & Coke Co.  South Fayette Coxt & Coke Co.  South Fayette Coxt & Coke Co.  South Fayette Coxt & Coke Co.  Genuma Connells with Coke Co.  Genuma Connells Coke Co.  Genuma Connells Coke Co.	Uniontown				
149	149		Walterdurg Coke Co					
32	80 32		South For etta Cake Co	Magontuwn				
200	330	Emory Fairbank	Struthers Load & Colo Cu	Uniontown				
32	32 400	Finley.	Jas Byrne & Co	Sentidals				
400 150	150	Finley. Footedale Prancis No. 1 Francis No. 2 Fretts	Supplies Coal & Coke Co	Pittsburg Masontown				
50	50	Francis No 2	Sunshine Coal & Coke Co					
50	- 50	Fretts	South Fartte Cool & Coke Co	Uniontown				
31 58	23 58	Garwood.	Genung Connelleville Coke Co					
499	409	Genuine Griffin Nue. 1 & 2	Hosemor Coke Co	Pittaburg.				
210 74	193		Resource Coke Co Control Police Co Lantes H. Hoover Popo Coke Co London L. Hoover Lope Coke Co	Pittaburg McChillandtown				
39 (	98	Hope.	Hone Coke Co	I Industriana.				
100 75	100	Hope. Hustcad	Hustrag-Sumara Coal & Co. e Co	Unior town				
75 200	75	Katherine	Union Connellsville Coke Co	UnionLown Labelle				
[ 220]	180 220	Lafatetta	Atlas Coke Co	Helen				
462	445. 516	Lambert	B C. Frank Coke Co	Pittaburg				
618 400	400	Leckrone	Lincoln Coul & Colle Co	Fittsparg				
230	250	Lincoln Lor Phon	Conselleville Lentral Coke to	Pittaliurg				
43 154	48 194	Marion	Southern Connet state Coke Co	f onneils vale				
1 300	202	Martin McKeefrey	McKrefrey Conl Co	Legionia Dhio				
267	207	Millabore	Besterner Coke Co	Pittaborg				
75 60	75 60	i Mt. Hupe.	Mt. Hope Code Co.	University				
582	30	Newcomar	Newcoper Cuke Co ,	New comer				
32   486	32 480	Mt. Hupe. Murphy Newcotner Olf Home	Union Connellarille Coke Co. Labelle Coke Co Atlan Coke Co B C. Frick Coke Co B C. Frick Coke Co B C. Frick Coke Co Connellarille Lentral Coke Co Connellarille Lentral Coke Co Connellarille Lentral Coke Co Wordsoft Coke Co Wordsoft Coke Co Monte Coke Co Monte Coke Co Coke Coke Co Monte Coke Co Monte Coke Co Monte Coke Co New Coke Co New Coke Co Partial Coke Co	Unkertown				
31	31	Orient Parshall No. 1	Puritan Coke Co	Linicatowa				
166	169	Paraball No.	Paritan Coke Co Paritan Coke Co Paritan Coke Co Perry Coal & Coke Co Phinner Coke Co Possibility Sun & Sun C Co Possibility Sun & Coke Co W. J. Manery Taylor Coke Co W. J. Manery Taylor Coke Coke Daylor Coke Coke Daylor Co	Uniontown				
30 72	30 72	i'erry	Perry Coal & Cake Co	Pittellurg				
l 794.1	312	Republic	Remblie Son & Saret Co.	Uniontown				
320 250	100 350	Plamer Republic Rich Hall	Rich Hill Coal & Cone Co	Cincrop				
186	350 :	Penul	W. I. Rainer	Pittsburg. New York, N. Y.				
186 253	325		Taylor Carl & tour to	Unkintown				
260 100	260 190	Shamreek						
290 (	306	Solon Sterling	Consolida ed C ville Coal & Colo Co	Uniontown				
40	320		Prospect Coal & Coke Co Consolida ed C ville Coal & Coke Co. Thompso-Conneileralle Coke Co.	Pittsburg				
470 250	330 335	Thompson No. 2. Tower Hill No. 1 Tower Hill No. 2	Thompson-Connelleville Col.: Co	Patiburg				
310	300	Tower Hill No. 2	Thompson-Connelleville Col.: Co Tower Hill Connelleville Cr. & Co. Tr wer Hill Conneller & Coke Co. Connellected Cyrile Ceal & Coke Co.	fla) nown				
1/9 500	130 : 500 :	Vrzeinia	Consolidated C'ville Cod & Coke Co	Unfollows				
Eco	500	Washington No. 1. Washington No. 2.	Washington Coal & Coke Co	Davrson				
]								

MR. COKE OPERATOR:

BELL TELEPHONE 49 DUNBAR,

Start the New Year right by using Eureka

'Hand-Made'' Coke Oven Brick.

The Brick That Has Stood the Test for Almost Half a Century.

The Eureka Fire Brick Works,

Half a MILLION Dollars

Per year on a production of 2,000 tons of coke per day by

Abandoning Bee Hive Ovens

and using

# Koppers Ovens

This Saving in By-Products and Coal Alone.

280 OVENS ARE ERECTED AT JOLIET, ILL.

560 OVENS IN COURSE OF CONSTRUCTION AT GARY, IND.

THE SURPLUS GAS FROM THE GARY COKE PLANT WILL REALLY MEAN THE SAME THING AS IF THE STEEL COR. PORATION HAD A WELL OF NATURAL GAS, GIVING 50,000,000 CUBIC FEET PER DAY.

OVER 4,200 OVENS ERECTED IN SIX YEARS, OF WHICH OVER 1,900 ARE REPEAT ORDERS.

Correspondence Solicited, Address,

# H. KOPPERS,

**By-Product Coke** Oven Constructor,

TELEPHONE 306. TELEGRAMS, KOPPERS, JOLIET.

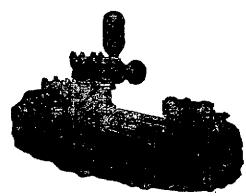
JOLIET, ILL.

# Yough Steam Pumps

BOYTS, PORTER & COMPANY,

Connellsville, Pa., U. S. A.

Vertical Deep Well Pumps Heavy and Lisht Pressure Pumps Wood Lined Mine Pumps With Pot Valve Water Chambers



Mine Pumps

Tank Pumps

Electrical Power Pumps

Hydraulic Pumps Compound Pumps Sinking Pumps Special Boiler Feed Pumps With Self Grinding Bronze Valves. Pumps for Svery Kind of Service in Piston and Plunger Patterns.

PUMPS BUILT FOR OPERATION BY STEAM, COMPRESSED AIR OF ELECTRICITY.

## Connellsville Machine & Car Co.,

MANUFACTURERS OF



### THE LAFAYETTE STEAM PUMP,

Engines, Mine Fans, Larries, Pit Cars, Cages, Coal Screens, Coke Crushers, Coke Barrows, Sheave Wheels, Drums, Universal Dump Cars and Complete

Outfits for Coal and Coke Works.

We carry in stock Machinery Supplies, Injectors, Pipe Fittings, Jenk-ins' Star and Standard Valves, Packings, Leather Beltings, Steel, Iron and Nalis, Railroad Spikes, Spiles Sar Bolts and Nut Locks, Machine and Coke Scraper. Heads, Scraper Handles, Coke Over

COKE HOSE.

Works at Mountz Creek Junction of Baltimore & Ohio and Pennsylvania OFFICE AND STORE, 309 AND 311 WATER STREET.

Connellsville, Pa.



# COCHRAN BROS.

Coal and Coke.

Main Office: DAWSON, PA.

OFFICERS:

W. H. COCHRAN, President. A. J. COCHRAN, Secretary and Treasurer.

H. T. COCHRAN, Gen. Manager-

RAILROAD WEIGHTS TO GOVERN SETTLEMENTS.

J. P. BRENNEN, President. J. V. THOMPSON, Vice President.

ANDREW A. THOMPSON, Trensurer. W. G. ROCK, See'y and Asst. Trensurer

# Thompson Connellsville Coke Co.

STANDARD CONNELLSVILLE FURNACE COKE.

WORKS: Thompson No. 1 and 2, Near Republic Station, Fayette County, Pa. CONNECTIONS:

Pennsylvania R. R. Pittsburg & Lake Erie R. R. Baltimore & Ohio R. R.

1104 Diamond Bank Building, Pittaburg, Pa

OUR COKE IS OF HIGHEST QUALITY. ANALYSES FURNISHED ON APPLICATION.

As all of our drawing is done by the Mechenical Extractor, none of the Foundry Coke is eliminated. Purchasers are consequently assured of a uniform quality of Furnace Coke.

HERBERT Du PUY, President.

JOHN C. NEFF, Gen. Mgr.

Connellsville Central Coke Co. General and Sales Office, 1211 Empire Building, Pittsburgh, Pa

Works:-Low Phos. No. 1, Herbert No. 2, near Uniontown, Pa.

Standard Connellsville Coke P. R. R., P. & L. E. R. R. and B. & O. R. R. CONNECTIONS MONTHLY CAPACITY 25,000 TONS.

"Coke low in Sulphur and Phosphorus and of strong physical structure.
"Our Coke at HERBERT WORKS is made in LONGITUDINAL OVENS and is entirely mechanically handled thus eliminating by screening all dust and dirt.
"Blossom-ash blown from ovens by new process of compressed airbefore coke is drawn."

ANALYSES FURNISHED ON REQUEST.

### The **W**eekly Courier.

Entered as second class matter the postefice, Connellaville, Pa

THE COURIER COMPANY Publishers. The Buily Courler, The Weekly Courler.

H P. SVIDER,
President and Manusing Editor.
J H S STIMUELL,
fectelary and Treasurer.

Office, The Courier Building, 1271/2 W Main Street, Conneitsville, Pr.

SUBSCAIPTION.
DAILY \$300 per year 1c per copy
WEEKLY \$100 per year 50 per copy

ADVERTISING

DISPLAY rates on application CLASSITIED—One cent per word READING NOTICES—To per line LEGAL—10c per line for first insertion and so per line for each additional insertion

The Connellsville or he operators are not to ding out for \$3 coke, and considering ways and means of eliminating no toll of the brokers who have no vested rights of ownership in the bridge between the producer and consumer out of stiffneeked stub-borness or greeds as the constant of the producer and consumer out of stiffneeked stub-borness or greeds as the constant of the producer and consumer out of stiffneeked stub-borness or greeds as the constant of the producer and consumer out of stiffneeked stub-borness or greeds as the constant of the producer and consumer out of stiffneeked stub-borness or greeds as the constant of the producer and consumer out of stiffneeked stub-borness or greeds as the constant of the producer and consumer out of stiffneeked stub-borness or greeds as the constant of the part of the

The cost of production has mater ally increased. The rost marted and vances in this respect which the cition has tivel seer now confronts the apportance. The cluster twich are to recommend the proportions of the positive and commandators of colors and increased of the continuous and increased of the color than the color of the c

manuactures to ma e commen cut e ets [h it is no comp toon in this nation will would tend to lower e id land salutions

REVISION

AND EQUALIZATION

I Commissioners of Creene count will adjust the coult and assessments study distincts are usually a few them in the maje of the count own-up expenses in the content of many and content of the count that it construted the County Commissioner a Louid of Ligibility in and THE COKE TRADE

The wide other season seed the factor with the courts commissions a plant the critical matter for the critical matter of the critical mat other properly with nother county and in the county and in the county and in the county and in the county and there is no times as much trace in the county as he other currens of the county. The unfulness of this is so uplatent that the viriless assessed in the county are the county and the viriless assessed in the county and the viriless assessed in the county and the county are the county and the county are considered and the co uplatent that the viriness assessed in Letton usually realizes that while straining at the enul of the control the true commissione a native ifford the anniestly ease letter to proper in the assessor in analysis read other corporations need some fur covers from his bid attack of con ther regulating but he mi kes it plum

that such regular a should be tail then the trail of the trail of the consults will a trail of the trail of trail of trails when the trail of the trail of the trail of trail of trails will of the trail of trails of the tr one of than thu tr to seet the un wildon of the tesen system a as se sils I open to taxan ii by a multiple to of civided counsel in other words by in army of relividual as se sors no two of tiers has me similar ing railroid rates and tangemen shall be a over which has been decided as the subject is one which has been decided as the formal and monotonist ness in the 1-as shall have made as mis of this particular to be no claim a has ever the lar portion of the laws the Pres

Sterily u.b. no chin chasever the lar portion of the laws the Pression at 1 did he is central commands the erection of a size for the unit commands the erection of a size for the unit commands the erection of a size for the unit commands the erection of a size for the unit commands the erection of a size for the unit commands the erection of a size for the unit commands the erection of a size for the unit commands the erection of a size for the unit commands the erection of a size for the unit commands the unit commands the erection of a size for the unit commands the unit commands the erection of a size for the unit commands the erection of a size for the unit commands the unit commands

to call competent witnesses when of a law empowering federal incor deemed necessary, to verify their testimon; by the records of recent sales terstate commerce not for the purpose of real estate of similar advantage and value, and to establish such ratio of but to protect such corporations from

value, and to establish such ratio of but to protect short to protect short or protection assessment as shall be equitable considering assessment in other counties. Such a system would do more to bring about uniform tayation, not only auspices of those abuses which have throughout the county but also ansea under State laws. In other throughout the county but also arises under State laws. In other throughout the State than any other words the President recognizes the that could be devised, without the ne cessity of following the letter of the law and making it possible for the buccaneering bosses of numerous municipalities to double or trable tax lation and bung about a strumble of business. atton and bring about a saturnalia of graft and corruption which would leave behind it a frightful legacy of debt for future generations to stagger under the only difference between when the only difference between

when the only difference between Trusts is that some are bigger than others when practically ill pur nor THE VALUE OF COKING COALS The present activity in coal lands is not confined to Greene county, though it seems to be central there. Recent large sales of Fairmont coal aggregating thousands of acres and mation in restrant of tude sum amounting to militors of dellars and versally considered rather than its

The Rivers and Harror bill vill 1

ers shall be populity protected from confiscatory acts

To the end that complaints concern

Grea et Connellatille is a \$5 000 000

The Januson Coal Company has wid all out a bit than all

# NEARLY 18,000,000 TONS SOLD AT AVERAGE PRICE OF \$2 A TON.

were superior oll and protleally abandoned plants come of which there remained a lit the coul in the old pits and to o hers coal was shipped in from active plants. The resumption at many plants the resumption at many plants which had been shit down for the better part of a year reverled to finished 200 new overs during the coar for their better part of a year reverled to finished 200 new overs during the coar for their part of a year reverled to finished 200 new overs during the coar for their part of the coar for the co

100k

| Henry Clay township coults that of the public over but the n connected with the wester township has been authited to properly on the plans for more of an in bate it provides that all properly on the plans for more of an in the both it if and he sould shall so to be good to be a township to the plans for it have our like grandship both Don lid Bolton plans are in the coal and the coal the will a lated December 10 1909 been opened so as to not cultingo

shipping touring with the Theorem

the or hese could had a man effect

n word and is enabling the Unit The least boomers plant to have kidnight in more of the Rivers and Harling Committee and man distribution on the Rivers and Harling Committee and man distribution out here to see its what it region in the new means at terms of the Rivers in the look is like when it acts on a high tooks in the committee to the results of The by moduct ovens I Cara will

be ready to the extent of several hundred them. A) ii 1 and c ch b) 110 duct oven w II be alle to produce 11

) the year but 50 of these ovens were in idopting any that were improvements operation. At other plants capacity on their own the commission re was increased in every possible man ported back that our own methods her

Aside fro withis sort of work by the Another notable feature of the year big interes, of the region much new was the requestion of a number of coal was opened by individual coall and pretically abandoned plants come. The Rich Hill Coke Company

respect to a year level and the plant is in this year one all of these being of the respect at least an expensive luxury Belgian type and the remainder bee. In spite of the ampromising outlook, live evens. An additional and of 110

overators of profit it the business of making acket to again the product and considering only desired to are the producer and considering the producer and considering only desired to are the producer and considering only desired to are the producer and considering the producer and considering only desired to a state themselves against future found to the browness of making acket to add to their territory and ter

are Fower Hill works will not be entry to the server of th

The anthrome responses the lest of the lest sent the lest

The incidence united to H ( ) is within the M ( ) is united as a M ( ) is the M ( )

UNIONIONN in Co-The will of Murin R Bolton In Cof Stringbil strel township has been admitted to pro-

> Winter Source of Income Tie (on i llsvil o Nuturi Coal (cle Country voi 8 neur Rechris lugely mained by firmers who live mry and who seel werk t hom assir he winter

fine Sc 'e for Washington the Science Coil Cool Conny on Yone we do note that howards that the Color of the C

National Foundry Starts The National Leindry on Sixth this was attended and the same of some time. About ten men are em 1 yed

Try Our Classified Ads. They only cost one cent a work



## AN ENDORSED CHECK

is the best receipt you can have—it shows the date—the amount who received it and who signed it and on what bank it was drawn—Moreover—vou can if you wish make a note of the character of the transaction on the face of the check instance in paying your house rent by check you can write in one corner of the check. Rent in full for January, 1910'. Perhaps you do not know that a large sum is not needed

to open a checking account. Small accounts are alvays welcome

# FIRST NATIONAL BANK

46 Main Street, Copnellsville. Money Orders

The Weekly Courier

contains not only an Annual Review, but also a

## Weekly Review of the Coke Trade

of the Connells ville regions, giving the operation of the plants production prices and frend of viade. It is the only publication that is recogmized is authority on this subject by coke iron and steel men, and by the industrial bineaus of the State and Nation.

### \$1.00 Per Year in Advance.

If you are inferested, directly or collaterally, in the Coke Trade, this is one of the best in estments you can make, and always within your hmit Address,

> The Courier Company, Connellsville, Pa

# "When Doctors Disagree-

who shall decide? Which is only another way of siving that opinions differ about almost everything

Put here are a FIW thongs on which LATRY BODY and so with expressors of implant opposed And income these related but in Hamiltonians of the Control of t

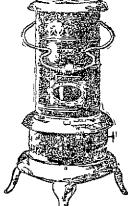
h quits of fixque Process a MWM has unto ubside a correction and a fixque fix out the resource of the resource ce i YOU no note to n me



YOUR DEALER CAN SUPPLY YOU.

Hygeia Company, UNIONTOWN, PA.

# From Arctic to Tropics



in Ten Minutes

No oil heater has a higher efficiency or greater heating power than the

# PERFECTION Oil Heater

(Equipped with Smokeless Davice)

With it you can go from the cold of the Arctic to the warmth of the Tropics in 10 minutes. The new

### Automatic Smokeless Device

prevents smoking. There is no possible question about it This means greater reat power a more rapid diffus on of heat and a sure conversion of all the heat energy in the oil In a cold room, light the heater and in 10 minutes you'll have a

glowing leat that carries ful content Tern the wick to as high as it will go-no smoke-no odor In everything hat appeals to he provident and the fastidious, the Perfection OI Heater with its new automatic smokeless device, de-

cisively leads. Finished in Nickel or Japan in various styles. Every Deale From me e of Nor At Noise Wise for Describe Conference of the veness agent of the THE ATLANTIC REFINING COMPANY (Incorporated)

(enterpolation) 

FOR THE WORKINGMAN SOUTH CONNELLSVILLE LOTS ARE BARGAINS. VOL. 31, NO 27.

CONNELLSVILLE, PA, THURSDAY MORNING, JANUARY 13, 1910

SIXTLEN PAGES

# GREENE COUNTY THE COMING SOUTHWESTERN CONNELLSVILLE COKE

# GREENE COUNTY BED BEST THAT REMAINS

All Other Possible Sources of Coke Dwindle When Compared With It,

GEOLOGICAL REASONS COOD

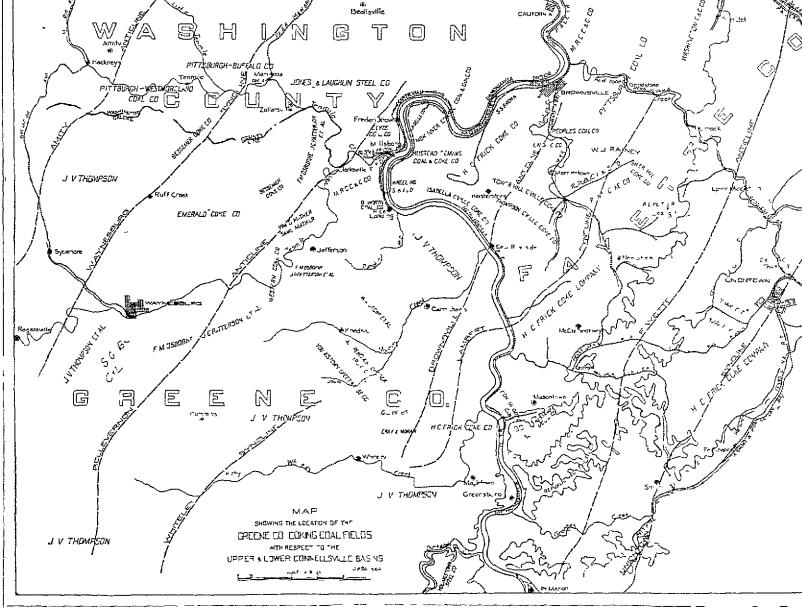
Large Steel Concerns and Capitalists Have Invested in This Acreage Foreseeing That It Stands on the Threshold of Great Development

By Joan W. Polleau In his cirlier staves of he histor of his earth's cruit he cover ions were not ide is for a deposit of a regular bed of mai whether it was sur istone shale of coal. As the mons also of verse passed by and the ear his circle cooler it contracted and the ewere many up heavals especially before the carbonit cross furio

Lectusy o the

John W Boilenn, carth a su face we my deluged inh with from the t n osphere which sure inded the sigh the surface become a cooled as to earth's surface and flew from one por tion of it to anothe making the occurs lakes and the rivers internal eruptions n ado the fir t great change. Mountains were thrown up but our ing the carboniferous remod the earth's crust had cooked and he at mosphere was filled with gases which made the vegetation qui e luxima t Great forests covered timest the entire Appalaculan field. In the beam of coal were foresed but confinens had not become queen mough to allow the uniform it persecut bed to be deposited. The too in aid contracting of the earth indices continued the arther conditions continued the earth is clust and there was a consistent of the earth indices there was a consistent of the summer of the mought of the earth of the mought of the earth indices there was a consistent of the mought of the earth of the earth of the mought of the earth of the earth of the earth of the mought of the earth had not become que mough to illow the uniform and personent bed to be

the sone of cerps on mothers have a find me find of malts of the sone of the natural of sturred the Bod and terrorism those of the natural of sturred the Bod and terrorism the sone of the natural of sturred the Bod and terrorism to see a find a find phy cells and scotcal to the find the sone of the sone of the natural of the sone of the son





ide of an i I i Mil tens hall have i i terne and Jan G i ii ruciel for MI er

heart of fe by a fines A (a p b ff or the Youngstown = 1 & 1 f (omp ny and lank thick cock cock

## ARE IMPERATIVE Greene County and Adjacent Coal Bound to Have Better Transportation.

**NEW RAILROADS** 

IT IS THE LOGIC OF EVENTS

Extensions From Existing Railroads Into New Fields, May Be Constructed Easily and Cheaply-Some Routes That Have Been Proposed.



By John W Borlean
AllROAD routes
have frequently
been proposed
from the coking
fields of Tavette
county to Wheelfields of Tavette mg, and along the hines of Greene and Washington counties to the out markees They are in the

iai i e iume ated us folio is Pust -l rom Wheeling to Millsho o. vit Mi bisville up Lindow's Fork just nor h of the Greene county line via Sparra Lindley's Wills Hackney Jen Mile \iPa\_0 Zollarsi lle Clarksville
to Missoboro down the Mono ig thela inter a distance of samiles to Browns ville then up the way of the Reds one in and to Laborate of 1 males by the plus 11 males by the way of large to county branch to (on nells, the ranks & rated distinct of

Second—Whitching by way of the P. C. & V. down South Jen Mile Cre 1.

111 Writesoure Tefferson Chiassiffe, to Millsboro the line would be price loner than No. 1.

I will—Wheeling of Wiversburg — Whirist He fittual Loy S. V. Low 1.

What we call to the line of through the line of the line. (Many Creek to Rue the entironger to the Which is a distince from Which is to the Monon, it derives to the month of Michael Science of the mile of the Michael Science of the mile of the Michael Science of t ing a distinct of only \$1.1 miles of 1.17 it is hear in enter of its

ushni I I a vih. ha

1155 Je

olo. Iv ni h I wer Con I le

terver helplat

Is a Ha Conn Havel I v a Ha Conn b

e a li v - e al ca - li illi a - : - H - Vit

In 1 n

The Fittl Whitel conte to Wheeling I dy the heave proport wo to the new property of two his and the two new property of the creek lands of two his and the two property of the creek of the color of the opening like the color of the colo from and Win har, in h = h = k = Compression H = Compression H = sound the compression H = h = k = Compression H = compression H = h = compression H = h = compression H = com

one i again to the Anne (S. 1864). The rule of situation in Greene countries of the desired situation in Greene

matter
The whole services in the Armonic and the Matter State of the S

etc By a projection of the line south of Waynesburg up Smith's Creek via Blacksville to the Baltimore & Ohio the latter could enter by crossing the river at or near Point Marion, going up Dunkard Creek and tapping the ter up Dunkard Creek and tapping the ter-ritory by extending I ranches up the various gravity lines entering that stream. With the exception of the southwestern part of Greene county the entire county could be rapped or made into a net work of railhoads because of easy grades furnished and because of its water courses and by the grading as proposed by the Balti-more & Objection through this dismore & Ohio cut-off through this dis trict. In case an independent interest other than the Penn thann project and builds a line into Greene county
the Pennsylvania road will undoubted
by re-survey and build along the narrow
gauge route widening of this narrow
gauge will necessarily mean a straight ening out and a changing of location

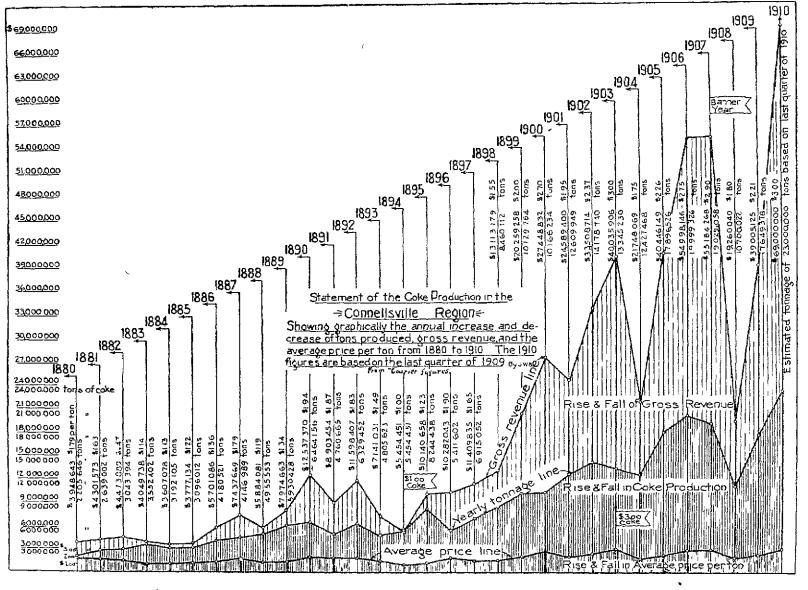
The Little Whitely route will in doubtedly tap better coal and more of 1 than any other line proposed

In a direct line this field of coal is only about 40 miles from Pittsburs the State line being less than 50 miles south of Pittsburg, on when you con gider the close proximity of Greene county and Washington county coal o the numbereds of mills of Western Pennsylvania and Obio and when one observes the raind production of coal and the fast disappearance of coking coals from the marke, it is to be wisely concluded that the Greene and Washington county fields are the most available

\text{\text{\text{ote}} tas transportation develop}}

ments in Fayette county in the cole field the Bultimer & Ohio Pitts burg & Lake Eric littsburg Virginia & Chirleston Monongahe's River rutroad and the Monongahela river five in all. An east and west line from Unioutown to Wheeling through the heart of Faveta and Greene countes would give because of natural lecation of good coat as immense feeder to any rail oad making the connection at the wistern end. The plit hate out one will be that

all opposition arising from the cole manufacturing companies and from the infrom interests that have been arrivel against in new lines through Greene county in the neur future will not avuil. This peston cannot last long as the Pigette county pro-The control of the co duct will in the near future be so di minished that its out int of the minu factured article will be insufficient to



The tomage shown in the statement of sluph cuts 1. from 15 to 50% less than that which is depleted from the coal in the hill. An average of 45 to 10% of the coal is wisted by poor min ing and is never brought out of the mouth of the mine. In some instances, even in West Virginia, they are only saving 40 c of the coal. One operator the Moundsville district made this It the Moundsville district made this statement and save is the reason that he was not ceering such a pince for his output as would justify him to go to the extra expense of taking out more of the coal bed "fuch coal is used as fuel mound the mines to generate power for operating equipment in the making of eak much coal is lost as coke dust on breeze greatibiles of which one can see around the mles of which one can see around the At the late of 150 000 000 tons per indum and with the average increase

of the past liften is every great meeds will be made upon our supply of coal in Southwes ein Pennsylamia. This type depletion will take place in the coal fields neatest the centers of con coal fields neatest the centers of con-sumption. The coal in the Mononga-held and Yonghighton vallets where is easily accessible for mining will be depleted and it is well a ated that I will the more than 60 000 cross of coal to supply the demands of the Pritisburg district within the next 20 years. This accesses done would de-ple to all of our highest grade gas coal and column coal were the source of and colong coal were the source of supply from these fields alone
But one thing is certain, Pittsburg

herause of its economical and comreceived position vill long continue to be the center of the manufacturing tusiness so long is it is the more economical for calcouds and other in dus "al interests and as long as our source of steem gas and colong coal holls out then our fuel will come from oth r fields farther away. It will be many year a before new centers will haid up with a capacity of fredie you the Putsburg district has

Triobds of high gride coal located as our Greene county fields are an absolute's saf investment and a steady ind increasing future value goes with hem the security is based on the coal in the hill. Other in the triangle of the coal in the hill. dustrial investments lave no such se count. There are few other invest ments that are is safe. The increas ed fittie value is cortain and the coil, while in its bed is indestruct the It will long continue to be the

# **KEYSTONE COMPANY'S COAL** KNOWN ALL OVER THE WORLD.

Great Independent Fuel Producer of Western Pennsylvania Ships Coal to Cuba, South America and Italy.

Dusiness Which Originated as Coulter & Huff Now Mines Ten Million Tons of Coal Every Year Operates 1,200 Private Cars, and Employs 5,000 Men

The word 'Kevstone stands for many big things in the old State o William Penn and in the United States whereof it is a binding Ink but in a commercial and industrial sease that words stands for nothin; bigger in all this broad country than the keystone Coal & Coke Company one of the old est and greatest coal producers of Western Pennsylvania. An ou growth of the firm of Coulter & Huff which begin a modest business in the mining and selling of conl 2, years ago at Greensburg this great corporation has grown in the ownership and production of coal from veir to year until today it slands second to none among the independen producers of bituminous coil in the United States The name and tame of its fine grades of gas and steam coals snuthing and domestic lump fuels it excellent fur nace foundry and crushed cokes are known to the ends of the earth There are few commercial manufacturing or railroad purposes in thich the Key stone brands of fuel do not play an important part not only a this coun

Throughout the great Northwest, upon the shores of the unsalted sens in the area of the busy certral States all through the industrial bives of the through the industrial bives of the larm stable tempor and scaboard, keystone coal and inextential lown such a plant is not coke hold a hadron place of the larm inextential on that account is not necessarily and the stable of the larm inextential on that account in the larm in the larm inextential on that account in the larm inextential on the larm inextential on the larm inextential on the larm inextential or larm inextent coke hold a leading place of virtage plant is 5 cm the same care ind at these fuels are town carring. After the work correspond to the company of the work company of the work comes for a start all is in can commerce and games to new heights of achiever on mar off for eigh places. On the daks of anch ni egn places On the dark of ancient policy—and its i johey that pass in ed to drive the locomotyes of the half the erd ed to drive the loconiot ves of the Italian railroads on the clantations and in the manufactories of Ciba Key stone coal sends the wheels spinning while on the quays of Rio ne Janetto Keystone tuel is drily unloade i to sup ply the needs of man people of the Argentine Republic With evil year the export trade of this big cor

has grown to a point who e the capital stock of the Keystone Coal & Coke Company amounts to \$2,500,000 (m. il concre e ill stable supplies of in in a stable to with insert occurrent to the company sected invest ments and turnovers annually are much greater where it employs a well organized and thoroughly cap tained army of more than 1000 largers. Section of dangers Section of dangers are unlike the same to with an annual constitution of dangers. Section of the same to with an annual constitution of the concrete for from any long trained army of more than 1000 largers. Section of dangers are unlike the manual constitution of the concrete for from any long trained army of more than 1000 largers. Section of dangers are unlike the manual constitution of the concrete for from any long trained army of more than 1000 largers. Section devices are unlike the following caps and shorts are unlike the manual constitution of the concrete for from any long trained army of more than 1000 largers. Section devices are unlike the following caps and shorts are unlike the manual constitution of the concrete for from any long trained army of more than 1000 largers. Section devices are unlike the manual constitution of the manual constitution in the following caps are unliked to a three constitutions and the control of the manual constitutions are the constitution of the concrete for from any long trained army of more than 1000 largers. Section devices are unliked the manual constitution of the concrete for from any long trained army of more than 1000 largers. Section devices are unliked the manual constitution of the concrete for from any long trained army of the concrete for from any long trained army of more than 1000 largers. Section are unliked to the concrete for the ranged cars mos of them the latest inf, but for pres dar is used within steel patterns although to carry its the workings for mining and hauter railroid cars are recuisite. The figures of such a bus mess must be seen to the such a bus mess must be seen to the such a bus mess must be seen to the such a bus mess must be seen to the such a bus mess must be seen to the such a bus mess must be seen to the such a bus mess must be seen to the such a bus mess must be seen to the such a bus mess must be seen to the such a bus mess must be seen to the such as th

Twin coal fields and they are the assessment the assessment of the coal fields and they are the assessment of the coal fields are the coal fields and they are the assessment of the coal fields are the coal the order for the first and then are the insergraded the regulations imposed. The excellence of its could has given chief foundation for the business, and and constantly drilled into the mon the company a great market for its prosperity of these ropulous rections. Here is a list of the rines and works

Arona Sewickley Vadison Keystone Clumdge Hurfield Gensburg No 1 Greensburg No Creensburg No Carbon Salem Runon Hunker Atlan tic Argyle Nokomo Howard Acme

o Ninevah Lucesco Avondule Madison Seweddis and Arona the shipping a guon is Madison Cla the company of the Salem hi 00 such ovens. Think giving Day larges i fine but mining con an expension of the best an olately far in this regard with an different control other and ploted. When the shadow of death that is in them is detunded of men customers arate management control other and or trouble fails upon my lousehold and managers.

The company's plants by the best an olately far in this regard with an arate management control other and or trouble fails upon my lousehold and managers.

The company's general offices of Subscribet now for the Weekly down to the humblest mine official cupy several floors of the fluff build. Course. Only \$100 a year.

AN ENORMOUS ANNUAL OUTPUT pany possesses a cer am coking value and is the equal in quality to much coal now coked but the company has preferred to ship its coal as tucl from most of these mines is it appears bet for adapted for that purpose than for coking Much of the company's coal on the Hempfield branch near Greens coking urg could be coked but instead of making p into coke the company has adhered to be policy of shipping this coal for fuel to which purpose it is

rimarily and best adapted primarily and best adapted.
The total acreage of coal, developed and undeveloped owner by the Key stone Coal & Coke Company rises in to tens of thousands of acres but the vact figures are not avillable at this riting

The operating policy of this corpora-tion has followed lines of sanity sit cty progress and the best possible equipment to be obtained to insure afely to its men and an economical cost of reduction. Only the thorough is tried out and best rated explosives are permitted in Keystone mines. To to mine its coal on horor and sell it on merit. Machiners and other equip-ment at various mines is renewed before it is no n out. It has been the company's policy to make such re newals and keep its after physica plant up to this bevel a all times nithour waiting for disastrous b eak lowns and accidents. When the stress

neglected on this account. An alle plant is a vent the same care and at tention is one in operation and when the word comes for a stirt all is instantion of the come and when the word comes for a stirt all is instantion of the come and when the word comes for a stirt all is instantion of the come and when the word comes for a stirt all is instantion of the come and the word comes for a stirt all is instantion of the come and when the word in the word come for a stirt all is instantion of the company of the comp est quarters of the corth Stores of Keystone coal supply slaps to many seaports carrying vessels a crift quarter of the cobe. The Keystone Company's coal is suiding the earth with a banner of spool on the high ways of commerce and industry.

Such in brief or dist in the volt the business which is more than a quarter of a century ago. Today that business one feature of these workings in a first or operations output and handling to be company and the partnership of more than a quarter of a century ago. Today that business one feature of these workings is in partnership of more U and quarter of One feature of these workings is in has grown to a point where the capital stock of the Keystine (oal & Coke understoad of the Coke under

by the r superio s
In connection with this it should be In connection with this it should be ments in the matter of fuel at it stated hat the coupany has ever treated its employes on a most liberal basis and that this is no take boast it shown by the fact that in all its history the keystone Coal & Coke proclaims to company and its any of its names. If his always paid any of its names is the always paid any of its names is where the name of Coacast is what they are hate or a higher rese of wares than any of its competitors at all but if two of its duery of coal has always laken three learning in the Pourl's plant have a ling ement at the Pourl's plant have increased its capacity to notices at its company and the matter of the all ling ment at the Pourl's plant have increased its capacity to notices at its company and its company are also capacity to he had a three matters of the all lings ment at the Pourl's plant have increased its capacity to notices at its one function. Although men of large ments in the mineral at the Pourl's plant have increased its capacity to notices at its one function. Although men of large ments in the much the function of the much that in the much the much the functions at its open consistent of the matter of the late of the matter of the late of the notices at its company are if the always not the sum states and its content of the tree function. There is not such that it is a function of the plant have always and the function of the plant have always and the function of the plant have always and the function of the function of the function increased its capacity to notices at its content have not for the function of the function increase its content to the function of the func

known and by them they are appreciathen respective branches

take hold of the idea. Howers and trons in nany other cities and has tegelables are plon that every very in representations in visits countries the hom s of Keyston, explores who throad are willing to do what hitle exit; work is needed

A further example of the company's sufference in securing up-to-duce equipment is afforded by the two big coul washing equipments in use the Sal m and Hiron plants. These washera's are equipped with concrete bins each bin having a capacity of 1900 tons. Here the coal is washed before I (ing. | lactd in the ovens and the process gives the compant in unusually good articl of coke in conseauche In these ms inces coul sequence in this inclines co washers have proven a decided we coss more so than elsewhere

The com invite stated operates it both the Greensburg and Irwin evil besins. Its Irwin broad of coal sain hest from that field known to the finds to in this held the company believe that it possesses the first the permitted in Keystone miles 10 believe that it possesses the first keep watch on such details is a part of the duly duty of the company of the duly duty of the company of the first the reduce from day to day seem neker of high heat units. It is much of this cont which the company to the result of the control of the such which the company is such of this control of the within the company of the control of the such which the company is such as the part of the within the company of the control of the control of the within the company of the control of the within the control of the co is much of this cost which the com pany has shipped to Italy within th past year on a contract which be In go orn neal to singuly fuel or the littline State endroughly fuel or the littline state of the littline state

the tips to the shall Complessed through the tips to the shall Complessed in means product theorems of other mines of such this acs must be pointed by this company produced by this company produced by this company produced this one company produces each very 2 jounds of earl ocoletis received the first official state of the moletistic State. Sich a concern with its mines earl and machine she lettled State. Sich a concern with its mines earl and machine she concern with its mines earl and machine she concern with its mines earl and machine she concern the first official state of the f The first operation of the firm of

the shipping source is Madison Classes of the same rate as it interest in guestions affecting published brane that rame while the two Hemsheld plants ship that paid by competitors but o her lie policy and connected with the coal brack raide by the company in coal through Greensburg Greensburg conditions are made easier for the midistry such a sticly for mines by ison with other frebrick on the mine to 1 ships from Hull Station men. In right ways the compline on und the conservation of the conditions of the conditions of the conditions. In these waters to assist a right and brigh on area of the limited States. In these waters to make this state named in honor of the complant's President Green-burg to and Carbon plant ship from County Home June to white Green-burg to 's hip to make the field by the offeers of the company the coordinate in most case, the remaining plant ship from strip one of the remaining plant ship from the interest of the field by the offeers of the company the coordinate in most case, the remaining plant is in cross but as on an plant ship from strip one of the remaining plant not as in cross but as on an plant ship from strip one of the remaining plant not as in cross but as on an plant ship from strip one of the four strip one of the field strip of the company the coordinate in the great work of mining are in exhibiting the country finel or derivatively in the great work of mining continues and the field strip of the company is not present loaded by a phone of the fine of the plant in the great work of mining the country finel or derivatively in the should be placed at once All the subject to wisted in those of the line of the lines of the company the co-created of the company is to company is in the present loaded of the company is in the control of the company is in the present loaded of the company is in the present loaded of the company is in the present loaded of the company is in the company is in the company by the country of the company is in the company by the country of the company is in the country of the company is in the country of the

are ready to assist. The needs of the ing at Greensburg Pa. Here are the widow and outhan are not forgotten administrative offices of the company in the rush of manng coal but these the financial and accounting depart things are done without estentiation ments and the heidquirters of the and the officials of the company do field staff copies in, of a division of not say much about thom. To the engineers, them see and technical men themselves the kindly deeds are non-all of whom are specials so a

In addition to its general offices a All the employes of the company are ground for gardens and are en corriged to till the land. Siring lowing is done for the men with in limits from the imness and seed is of ten formished. The Pingree pot ito patch plan is worked out wherever the mental in large (antium business. In addition the property of these offices vinch the company landless the control of the control

# ALL HAND MADE.

Only Highest Grade of Firebrick and Shapes Are Shipped by This Company.

### SECONDS ARE NEVER LOADED

Superior Clays Carefully Analyzed Are Burned With the Best Fuel-Mixing and Goeling Processes Close ly Whiched-Eurekh Products Are Reliable

it in is until the following cur S no in the New State completes custom re in the Northwell State is much as in the northwell state in the same close cite in the first in the same close cite in the same close

the receil unprovements and en cost with railroads whose required lingement at he Purel a plant have ments in the matter of tuel are all increased its contents or 100 to brick

# "Jamison" Selected FOUNDRY COKE

Not how cheap, but HOW GOOD. We respectfully submit that this question is worth the Foundryman's most serious consideration, and a saving of 15 or 25 cents per ton on the Coke may mean a totally different result in the cost of your castings.

Improvement is the order of the day with Jamison. Sixty determinations from our shipments within the past two months showed this average, viz:

ASH - . - . 10.04 SULPHUR - - .86

Our constant aim is to Make Better Coke regardless of cost.

 $\P$  1.450 ovens--output 75,000 tons Furnace and Foundry Coke per month.

Won't you give us a chance to tell you more about this coke?

# & COKE CO.

# J. H. HILLMAN & SON

FRICK BUILDING

PITTSBURGH, PA.

STANDARD LOW SULPHUR

FOR

**BLAST FURNACES AND FOUNDRIES** 

DAILY SHIPMENTS 5,000 TONS

ANY RAILROAD DELIVERY

# BIG ELKHORN COKING FIELD OPENED BY CONNELLSVILLE MEN

Great Future Source of Furnace and Foundry Fuels Has Reached Its Initial Stage of Development.

probably fall short by 50 per cent, of ed by A. S. McCreath of Harrisburg the value of the coal is bound to rise the actual amount of coal so available, and upon being averaged, showed the to figures many times over present of this coal, a great proportion is following contents:

The opinions of the experts emmently adapted for conversion into first-grade, low-sulphur, strong-struc-tured cokes, of remarkably low phosphorus. There should be added to this favorably situated for cheap mining coal and cokes are commercially ac cessible in the extreme. Short hauls the hands of the great consumers of the entire central west rom the Markhoning Valley in Okio to the blast fur Lower Elkhorn, Ky. Lower Elkhorn, Ky. naces of Chicago, Joliet and adjacent

In the heart of this field lies the holding of the Big Sandy Company of Boston which owns upwards of 130, 000 acres of coking and fuel coals. Charles E. Hellier of Boston is President and moving spirit of the company. As a tribute to the value of these seams of coal, strads the fact that one of the oldest and most con-servative operators of the Connells-ville region. T. J. Mitchell of the Rainey interests, has organized a company to make coke from the Eikhorn coal. The Mitchell Coke Company is now building its first unit of modern ovens to develog a portion of the coal owned by the Big Sandy

modern ovens to develog a portion of the coal owned by the Big Sandy Company and before many morths it will be shipping coke of a quality which ranks with the best Connells which ranks with the best Connells ville product.

The Mitchell Coke Company has taken over a tract of the Big Sandy Company's coal which was already partly opened, near the town of Hellier, Ky. The Mitchell company has taken over a tract of the Big Sandy Company's coal which was already partly opened, near the town of Hellier, Ky. The Mitchell company has been found to be on the Big Sandy Company's coal which was already partly opened, near the town of Hellier, Ky. The Mitchell company has a soft constant in the content of the Big Sandy Company's coal which was already partly opened, near the town of Hellier, Ky. The Mitchell company has read locations for 400 overs, work on which is now in progress and they will be possible moment. It is only the company to the following the product of the Big Sandy Company was the earlies, possible moment. It is a been found desirable to crush it for conting had led to company was the size of the Big Sandy Company was the size of the Company was the size of the Big Sandy Company was the size of the Big Sandy Company was the size of the Big Sandy Company was th will be the greatest aggregation of covens, in point of number at any cocking plant or single operation in the Cokes will stain the highest blast furnace charges in use today, and in twice as many ovens as the H. C. Frick Coke Company operates at its Standard works in the Compellsville coke. On the standard Connellsville coke, Company operates at its Standard works in the Compellsville region. Standard, up to this time, has been the largest single coking operation in the world, possessing 900 covens. At present the Witchell company is shipping 200 tens of coal and chemical properties, especially and chemical properties, especially and chemical properties, especially and chemical properties, especially attended to the Consolidation of the Consolidation of

that his statements are of the highest miles, and is now engaged in extending this branch to Elkhorn City. This hour field the coal measures of com- will ap the field and enable operators

Clased Indefinitely. mercial value are of the Allegheny to open, by the building of si River series, correlating with the Ka-tateral spurs whose cost will be low nawha group of West Virginia and the reason of the natural conditions. Big Stone Gan series of Virginia. The to paramount seams of the field are Big Sandy River, and the imminent opening of the field is expected to known locally as the Up er and Lower Elkhorn seams. They are the greatest in workable area and being separated by an interval of only 150 to 200 these plans into execution. theet, and both seams lying well above drainage, with an easy pitch, they are especially adapted to economic methods of mining. Lying largely in a great, croded plain, these two seams are easy of access to rillroad spurs from the main lines. Such spurs may continued and northward this coke eight-dock automatic slate picker.

MAKES COKE OF BEST QUALITY

be built throughout this field at the lowest costs, as the grades are easy railway line and come first in the path and convenient. It is these two seams of development. Other large investors which are the most valuable of the lave purchased big blocks of Eikhorn before the large first the path and convenient. Other large investors which are the most valuable of the lave purchased big blocks of Eikhorn coal which will in time be in the line. Boston, Amounting to 130,000 Acres, they are the seams which are being of development. These investors, developed, chiefly for coking purposes shrewd men of millions, are content

boston, Amounting to developed, chiefly for cosing particles in Heart of New District, in Line by the Mitchell Coke Company.

For Development—Railroads

Are Mr. dinvilliers gives the size of the quiescent. The Big Sandy Company, however, has adopted a policy of action and a market is ready for a large Upper Eikhorn seam as ranging from 3 test. 10 inches to 9 feet, 6 ioches in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam is placed at 5 feet, one inch in thickness. The average thickness of the Upper seam is placed at 5 feet, one inch in thickness. The average thickness of the Upper seam is placed at 5 feet, one inch in thickness. The average thickness of the Upper seam is placed at 5 feet, one inch in thickness. The average thickness of the Upper seam is placed at 5 feet, one inch in thickness. The average thickness of the Upper seam is placed at 5 feet, one inch in thickness. The average thickness of the Upper seam is placed at 5 feet, one inch in thickness. The average thickness of the Upper seam is placed at 5 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam the toke the with the extreme eastern end of that State, the author of the seam is placed at 5 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness. The Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in thickness that the Lower Eikhorn seam truns from 4 feet to 8 feet, one inch in the coke manufacturers of the Condition and other toke one in the state of the Upper seam to the Lower Eikhorn seams as of great for the order product to play a leading part in supply in the fact that the big store in the seams into each from a

of Western Pennsylvania and the Pocahontas district of the Virginias. For
here in the Eikhorn Valley are situated two paramount seams of undoveloped coal, thus far tapred only for
meager local ise, which contain the
material for making grades of coke
seemingly as fine as any that have
ever been produced in this country.

The field totals several hundred
thousands of acres of coal and not
only does it contain seams of great
coking value, but also an enormous
quantity of gas and steam coals. Government experts have estimated that
the field contains upwards of two bilions of tons of commercial coal and
have admitted that their estimate will
probably fall short by 50 per cent. of ed by A. S. McCreath of Harrisburg

With and seams
by did in the
conditions, Dir. d'Inwilliers expresses the opinion that
the field contains and the Pocahontas district of the Virginias. For
here in the Eikhorn Talley are situatling right for drift mining, Dir. d'Invilliers expresses the opinion that the field on the
probably fall short by 50 per cent. of ed by A. S. McCreath of Harrisburg

which are now being completed, while
others are planned.

With the last remaining proces of
the two paramound and remaining proces of the
rolling right for drift mining, Dir.
d'Indrainage, and seams of undowed
that the inext tapped only of undowed
that presents more favorable
coded in the
collation to the
conditions for the mining of cond at
small costs. With natural drainage
sold and selling at prices ranging from
\$1,000,00 to \$2,500,00 per acre according to the quality, and the adjacent
greene contry coal bringing prices
from the totals are planned.

With the last remaining of the
collation to the
conditions, Dir.
Greene contry coal bringing prices
from and grift mining, Dir.
With the last remaining of the
collation to the
collation to the
conditions of the quality, and the adjacent
greeningly at present produced in the
conditions of the quality, and the adjacent
greach open and stage of the owners
quantity of gas and steam coals With natural drainage, and seams which are now being completed, while lying right for drift mining, Mr. d'In-others are planned.

tototwing contents	:	
	Toper	Lower
	Eikhorn.	Elkhora.
Water	. 1.538	1,425
Volatile matter	. 34.955	32.105
Fixed carbon	. 58 S67	58 4:35
Salphur	557	.574
A-h		7.450
Phesphorus	0022	,0000
Samples of the	Elkhorn	coal upon

Upper Dikhorn, Ky. 142
Lower Elkhorn, Ky. 2210
Pocahont is, W. Va. 550
Pocahont is, W. Va. 550
Connellsville, Pa. 700
Connellsville, Pa. Connellsville, Pa.

The beauty of structure shown b coke made from Eikhorn coal at oven of the W. J. Rainey interest in th Connelisville district amazed all wh

beheld the product. It was hard bright, firm and highly cellular. Th coke has been tested for foundry us

in actual work and has beer hight satisfactory. There can be no doub from the analysis it affords, and it

hasten government action to carry

Volutile

t I	92.549	3605	5,307		- 1
11	56 550	Fig. 7	11540	.015	- 1
141	01.000	470	7 309	.012	- 1
					i
ĸı	87,000	,550	10.000	.015	i
S = 0 L	coke hat and const Personally enthusiasi been plant	rvotive, The di n over ned at F	, above t isplays t the plat deliter an	he avera he great it that i d its fute	est est has re.
r	and the q	uality (	of the El	khorn co	ke. !
c	'It is the	equal of	any coke	ever m	rde l
3°	in the po	laniest d	lays of th	o Conne	iir-
11	ville rega	m." said	f be "and	Hw will	av-
3	erage hig	ber in s	chemical	purity il	1331

kets, farther west or south, under favorable conditions. The same cir-cumstances apply to coal shipped from

the Elkhorn district. The Elkhorn district is so situated, as to be more nearly at the center of the manufac

turing and metallurgical industries of the Mississippi Valley than any other similar coal or coke producing district. The holdings of the Big Sandy Com-

has been the largest single coking operation in the world, possessing 900 ovens. At present the Mitchell company is shipping 200 tons of coal daily from Hellier for fuel.

The geological conditions surrounding the Elkhern coal are of great interest, in view of its rapidly increasing importance. E. V. d'invilliers, the eminent authority on coal made an examination of the field and unhesitatingly proneunces it as a splendid deposit of coals finely fit for both coking and fuel purposes cherwise. The standing of Mr. d'Invilliers is such that his statements are of the highest.

will ap the field and enable operators to open, by the building of short lateral spurs whose cost will be low by closed indefinitely claiming it cheaper to buy could to fill its contestion to mine it at the rates The Enterprise mine at Pardoe has Government engineers have pre-tracts than to mine it at the rates depared plans for the canalizing of the manded.

> Westmoreland Active. Congressman George F. Huff of Westmoreland of the Committee on

# may be shipped and the distances it must be handed are in most cases less than the hand required by the cokes made in the two Virginias. In addition, the coke can reach other markets, farther west or south mode. IN C. M. & C. SHOPS.

Under General Manager Kelly This Plant Is Rapidly Increasing Business.

MAKERS OF FINE MINE PUMPS

splandid Equipment of the Connells ville Machine & Car Company Means High-Grade, Substantial Work ---Steel Mine Cars, Larries and Cages Are Specialties.

With natural drainage, and seams which are now being completed, while the shops of this company are bying right for drift mining, Mr. d'In villiers expresses the opinion that the coking coal in the Connellsville region and have the facilities for making not only all kinds of mine machinery and appliances but also to do world to at presents more favorable sold and selling at prices ranging from general mechanical work of the largest size. Its main machine shop is complete in every detail having the latest and largest tools needed for heavy work. Then comes the blackneary work. Then comes the chack-smith shop, bolier shop, a pattern and carpenter shop and last but not least the foundry. The latter is capable of turning out castings weighing 20 tons. Large electric grames are installed in the various departments to handle the

This company is in position to turn out complete mine equipments. Possessing its own foundry it does not need to send away for castings. This saves time to the customer and means who have inquired into the possibiliquick work and prompt delivery, some thing very much distred just now by all users of nachinery. Under the new management e record is being ies of the field appear to confirm such made for quick gelivery and bigh offi-Coke Company, backed by aggresive and experienced cole men, seems to mark the turning point of the field

Since these works were established 28 years ago, they have had an ex-cellent and favorable reputation throughout the Connellaville coke-region and beyond it, for making de pendahly mine machinery—the kind that stands the test in every-day wear and tear. Its shops turn out both steel and wooden raine cars of the latest types, well and substantially built. Its steel mine cars have found favor with all who are using them owing to solidly and simplicity of con-struction. They are built without any unnecessary frills, but will scand the straln of hard work.

In the matter of mine rumps, wood-lined, bronze and lead lined, the Connellsville Machine & Car Company has for years produced an actule of, which mine managers can place reliance. Its "Ladayette" pumps are built to pump water under all conditions and to such specifications as may be desired. This company beside building some such approximations which heads.

At its shops, special attention is also given to the construction of name

At its shops, special altention is also given to the construction of name cages and coke oven larries, making it a point to build them in a substantial and enduring manner.

STIFF PRICE PAID FOR
WESTMORELAND COAL

Connellsville Man Purchased Tract in Salem Township for \$800 an Acre.

GREENSBURG, Jan. 12.—By an important deal in coal land recently consummated, Westmoreland county will probably gain a new coal town and works. The tract of coal land in question lies about four miles north of Greensburg and adjoins the No. 3 Jamison works at Forbes Roads.

Samuel C. and David W. Sarver were the owners and the price they received for the tract of betteen 40 and 50 acres as \$100 per acre.

Willam F. Soissan of Connellsville

were the owners and the price they received for the tract of beteen 40 and 50 acres as \$700 per acre.

William F. Soisson of Councilsville was the purchaser and it is said that the work of developing the tract will legin at once. In that event, a new mining town will spring up along with the erection of new coal works and employment will be gven to many

The Weekly Courier, \$1.00 a year.

WM. GLYDE WILKINS, C. E.

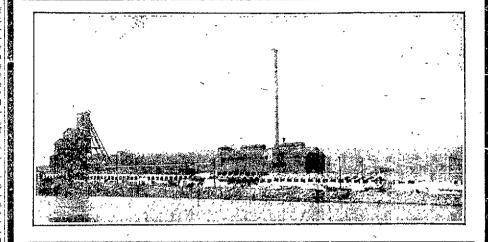
JOS. F. KUNTZ, Architect,

WILBER M. JUDD, C. E.

# The W. G. Wilkins Co.

# Civil and Mining Engineers

Rooms 902-913 Westinghouse Building, PITTSBURGH, PA.



The designing and superintending the construction of BITUMINOUS COLLIERIES and COKE PLANTS.

We have been the engineers for 19 COKE PLANTS aggregating nearly 6,000 ovens, and for over 30 complete COAL MINING PLANTS costing nearly \$10,000,000.00.

Surveys and Plans Made for Railroads, Trolley Roads, Water Works and Sewer Systems.

Examinations and Reports Made on all the above classes of engineering work.

# The West Penn Electric Co.

The Modern Light and Power,

# ELECTRICITY

DISTRICT OFFICES IN

Irwin..... Jeannette .... Greensburg.

WM. SNITE, Dist, Supt.

Latrobe ..... \ H. D. HERSHEY, Dist. Supt. Derry.....

Uniontown--w. E. SHAW, Dist. Supt. Brownsville-J. A. GAFFNEY Dist. Supt.

Charleroi .-... Monessen.... Charleroi, Pa.

Mt. Pleasant ( J. s. JOHNSTON, Dist. Supt. Scottdale, Pa. Scottdale..... Connellsville \ c. i. cottom, Dist. Supt.

Dawson..... Donora.

Elizabeth....

Monongahela | W. R. WALLACE, Dist. Supt.

Connellsville, Pa.

P ROSPECTIVE consumers for either Electric Light or Electric Power will be promptly served by either calling at, 'phoning or dropping a card to their nearest office.

¶ Electric Light and Power properly installed are economical. The service of expert Illuminating and Power Engineers to assist in arranging new and re-arranging old installations furnished for the asking.

# WEST PENN ELECTRIC

GENERAL OFFICE, CONNELLSVILLE, PA.

# STANDS AT HEAD OF HIS PROFESSION.

James B. Hogg Began as Transit Man and Has Carried Through Great Projects.

### BUILT RAILROADS IN THE WEST

Routes for Andrew Car negie, M⊿pped Tug River Coking Fields and is Now Engaged on Large Engineering Problems-Has Established Great Business

the Youk oghen, Valley, as an imbridge and power house construction portant factor in the Laying out and and trolley line building. Highly tech onstruction of the Pittslurg & Lake need classes of enganeering are highly and trolley line building. Highly tech onstruction of the pittslurg at once is certify. Wr Hammel is a graduate into heavy engineering responsibility of Cornell University and is recognised at the laying of the layest if not engaged in page 1 line. He laying the layest if not engaged in page 1 line. He laying the layest of the layest if not engaged in page 1 line. has built up one of the largest if not capacity in many lines. He lesigned the largest individual engineering the bridges viaquets and power concern in Western Penrsylvania or louises for the West Penn Rullwars in the United States. Frish from the system and supervised runch of the in the United States Fresh from the training of technical schools at that time, Mr Hogg immedia ely entered upon a career of the greatest per sonal activity, including 14 years of railroad engineering and construction work on the Pacific Slope. This was in the days when the great transcon theatal railroad lines were being in ished and welded into thits Such were some of the experiences stren nous and fundamental which have entered into the career of Mr Hogg.

Returning from the peaks and call staties and taulroad building and call staties railroad building and call staties.

ers and it possesses offices and all tool of several other important west ministrative centers at Connellsville in lines was for a time. Assisting ministrative centers at Camellsville. In lines was for a time. Assistant Uniontown and Pittsburg. Ur Houg City Engineer of Seattle in the day undgring from his varied career, and when that city was swiftly growing versatile accomplishments has appar out of swaddling clothes, and he was ley systems he is noted as in exporting the first and indirect the state of Wishington and first. Who noted he may not for the state of Wishington and first. Who noted he may not for the state of the Western Pennsylvania and in the enginegring world generall he is regarded as one of the captains

To carry on this great business Wr Hogg has asso lated with him some of the brightest minds of he profes sion men who stand high in special lines of work with whose execution

the great have been set as the set of the first tree of the province of cases and the set of the province of the set of the province of cases and trade sught in High proteins of the result where the first tree of the province of the result where the province of cases and trade sught in High profession C vision which as an appeal of the result where the province of cases and trade sught in High profession C vision which as a specially of native with board of the result where the province of cases and is also an appeal of the result where the province of cases and is also an appeal of the result where the province of the section of the result where the province of the section of the result where the result where

est man in construction work whom

A feature of the Connellsville of fice is a complete electric blue pant ing plant and with this the office does as good work in that bue and as the up as can be obtained anywhere means of this modern apparatus blue prin a are made in a few minutes by day or night electric light being used instead of the old slow process of exposing drawings to surlight for repro luction II W Steele is in charge of Vi

Hogs Uniontown offices located in a large suite of the First National Bank building Directly ender his Steeles cave are twelve of the largest mines and coaing plants in the egion which are cared for by Mr Hogg in all engagements mutters. Mr Stee a also gineering matters. Vir Steele also acts in a consulting and advisors ca pacity. He has wide experience for a soung man braing been employed for several years each by the Frick Company and the Republic Iron & Steel

V F Hammel is in charge of the Pittsburg offices, foc ted in the Park Beginning in 1883 on field work in building Mi Hammel is in expert on

entered into the career of VI Hogs
Returning from the peaks and
passes of the Rockies Mr Hogs
worked on great engine ring prob
lems which led him into unexplored
wilds and finitesses of the Appa
lachian mountains From one back
bone of the North American contin
ent to the other, he left a trait of dif
ficult problems solved and hard work | 1 zle Eric railroid from Layton to New
well done at the same time procuring. Haven doing all the instrumental well done at the same time procur m, a store of practical knowledge and every perfence in these stremous years which goes far towards evidanment the successfully finished Mr. Hogg spent which goes far towards explaining the successfully finished. Mr. Hogg spont remarkable growth and success of the surveys of the Northwest slope great engineering, business which he of the Pacific chiefly in ratroad build subsequently founded and in which ing During this period he occupied Connellsville and Favette county take every possible engineering position pride. The engineering business of James B. Hogg today etaids for the Towards at the strict he was true inghest achievements in the prefersion it employs scores of highly calle division of the Northein Pacific trained technical men and field work. He midd in the location and constructers and it possesses offices and all their of several other important west.

ently run almost the entire gamut of energe i on Government fortification the engineering profession as a work at the month of Puget Sound builder of bridges railroacs and trid lie also did important engineering ley systems be is noted as in expension of the State of Wishington and

he is equally well known throughout threatened to build his own coke re threatened to build his own coke retion tailroad and his own hose to the Atlantic seaboard. We flow was the mine who planned a failful for the coke region with all connections to the plants of the H. C. Pick Coke. Commany. This tisk finished he made a reconnaisance reforms the Atlantic seaboard. We have the plants of the H. C. Pick Coke. It is a result with the end mine a reconnaisance reforms the Atlantic, of development work white a new trunk line might emerge to the seaboard. We have a balance and complete the reforms the places at the time but for looping.

# THOMPSON PLANTS OF ADVANCED TYPE

They Exemplify Best Methods and Ripe Experience of President J. P. Brennen.

### GREAT RESULTS IN TWO YEARS

Use Compressed Air Coal Cutters and Draiving Machines

I and out and developed along seign | I pout of tracks at the plants wing fine as well as practical lines and in Flumed with this end it to recordance with well considered and the Phoropson Commellerate Com charoughly in tured plans the steat pair is a faciled by John P Brenner double plant of the Thompson Con President I V From Son Vice President in the heart of the Lower Constitution. Andrew A Theorem. in the heart of the Lower Connells ville district stands as a model and an advanced type or the many large. coking of crutions in that on of the field. In joint of size and in the cut on working out of a scheme of open nion for the most economical methods of coloproduction than 1 nt and tands as a monument to the tipe (A en President of the company

on a their line in an and continuous can are hought. This is boing done on a their lind far scang system whose end is not only to secure the highest factor of sifety for the men in the nun so but also the lowest operating cost compatible to the side sifety. In the final analysis, this combination of purposes as we ked out by this company has resulted in placing coke on the car ready for its trip to fix of dollars and cents of even planed in the pricts of that portion of field. The result spells success The coal which is the found ition of

the Thompson Connells the operation of the related to the second of the feet below the surface. I wo shifts were sink into the coal the mark of plant has be earlier into the coal at the constants out of the bowels of the names sufficient to recommodate

the serve sails for coal hald ige means fewer centers on the readway and a goally decreased list of possibilities in that line. Ways or the minor muse would be a e due to insufficient handing or pincut resulting in deniced trips and similar me hups In the fooms where wooden put calling is generally use it will be observed that Theilpeon Connelsville this roa that the proncount is the will use a satel rail. The manage ment of the plant is evently a function of safety contact in the longing to lower one using costs. The ext nor pert on of the plant :

dso equipp d n conformity with the litest and best ide is for making in . handling cale I wo hundled ovens at each of the Thomason plants are drawn by Coungton meet might col of Safety and Economy, Will Stead drivers and the resulting Lob overs its Operating Expenses at each plant by Head mechanism. ise of diswitt, in a times climma e viid wills and facilitates loading of cas in that initical cond placing them in provincts to the overs. The

norm Autice, A them son tremetr and Ceneral Manager and
W. G. Rock Secretary and Assistant
Timasures Of Mr. Brennen re-d-of
be company it may be cosery differ
c was to builder of many of the frestes, plats in the region plants which are today operated on most unccessful mas by reason of be skill nil cure with which they note the sign I in built Lecont to 2 leck tone I onto tale Builtington and Roaco and remoil ted Lennat to 1 d of nen President of the company
In the felical of a little more than we can which has elaps I since the first mek was struck into the ground it. Thompson Connelles like freat langs have been there (company is an each lant is the big quoti of Thompson Connelles like and lant is the big quoti of Thompson Connelles II contributed to bus stirring days and flurelling the of the Lower Connelles II contributed to bus stirring days and flurelling the of the Lower Connelles II contributed to bus stirring days and flurelling the of the Lower Connelles II contributed to bus stirring days and flurelling the of the Lower Connelles II contributed to bus stirring days and flurelling the of the Lower Connelles II contributed to bus stirring days and flurelling the of the Lower Connelles II contributed to be a first of the Lower Connelles II contributed to bus the Lower Connelles II contributed to the Lower Connelles II con the Lower Connelles II contributed to the Lower Connelles II con leen in opinist and a voil i as are the men with who i be is ascontice in the Thompson Connellsville. Coke Company and mis law is success in the ulted from these cor littens

### MINE AND FIRE BOSSES.

V rg ma

lecision vital to the coal operators and mine s of the State has been hand I down by the Suprime Could of Ap. I ils of this Stir. There was bur

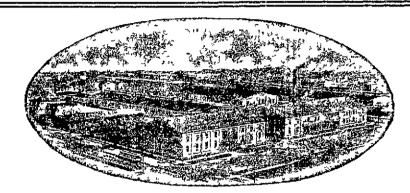
I down by the Suprime Course of his of this Star. There was but one preaging in the weaking was but reads as follows.

I man to the transport of the was follows.

I man to the transport of the was followed and the color of the was followed at the transport of the was followed at the color of the colo

WE have been striving for years to raise the quality of our Wheels, until now, with our charcoal chill wheel, we think we have reached the limit as regards quality. Our friends tell us that we are making the Best wheel in the United States.

But "The Proof of the Pudding, etc." Why not try a few, and discover for yourself that this is so.



THE PLANT BEHIND THE PHILLIPS WHEEL

# Phillips Mine & Mill Supply Co.

Manufacturers of Mine and Coke Works Equipment,

SOUTH 23rd STREET.

The Standard of Quality

# Harbison-Walker Coke Oven Brick What Does It Mean?

(1) It means MAXIMUM SERVICE.

The same careful selection of raw materials, the same attention to every detail of mainth ethic that has made the Harbison-Walker product the startard for the Blast Furnace, the Open Hearth and the By-Preduct Oven characterizes their output for the Rectangular and the Bechive Oven

It means delivery when you want it the filling of every order on a personal basis

It means MINIMUM COST.

Look up NOT your price per thousand Brick but your refractones COSTS for repairs (including breakage in transit and unloading) per ton of Cole A few minutes with your cost sheets will show the best is the cheapest Let us take it up with you in detail

# Harbison-Walker Refractories Co.

PITTSEURGH. PENNA.

## DO YOU WANT TO KNOW?

WHAT come is of Lemandrane are uncertain in whole of in part by I in increase, (oal bearing that?)
THE exact location of the Binnin ions Could helds of Pennsylvana?
THE location of all the mass in these districts.

THE location of the mines to a est to you OVER who amboads those mine ship their product

WHAT States from femorals in it to Tablems have within their border a partect it. Appalachin (oal Fields (the greatest in the world

tell may set dees justs of the Sate of Penna Md W A Ohio, A S I can be into Mr / WHERE ill of the ospecial intell cell districts are located?

THE name and I O addit see of every fromment coll corpany and findly had oper to a the Blummons I lids of Penns vanis and

where their rime are squated?

WHAT may use odd the Pernsylvanir the New York Central & Had son three hell is Sloc & Web Southern he Balto & Ohio the Buil is locked as Pusbur, the Wabash the Notfolk & Western the Chest enas & Olio and other great in iwas companies and the

### IF YOU DO

You Want HALBERSTADT'S GENERAL MAP OF THE BITUMINOUS COAL FIELDS OF PENNSYLVANIA

The man which has long been it a dark without on the subject is probably to each adas red um. His Pin Start of on meth in all first like a like to hanging on moderate asympton nomed or lines and in Ison by bound

Sold Through THE COURTER, Connellsy de, Ia. 

FOR THE WORKINGMAN SOUTH CONNELLSVILLE LOTS ARE BARGAINS.

# MITCHELL OVENS **BIG STEP FORWARD**

Improved Oven With Leveler and Ram, Greatly Reduces Labor and Cost of Coke.

### OVENS DRAWN IN TWO MINUTES

Inventor and Patentee T J Mitchel of Uniontown, Has Made First Big. Decisive Advance by His Method Coal Perfectly Coked-Ovens Lov

Foremost among inventions intend ed to reduce the labor and cost of coling coal in the essential operations of levelling the coal and drawing the cone, stands the new rectangular oven and its complementers much nery for performing these operations formerly hy hand labor Known throughout the coking fields as push oven this method of making Cheaper coke is the invention of Chomas J Mitchell G neral Manager of the big W. J. Rainey interests in the Connel'stille region. Mr. Mitca ells imployements orm a great stilde in alvance of the old beehive method of making cold. Proof of the need of such an improvement is feare In the fact that a number of concern have adopted this for a of oven to gether with its machinery at now op erations Today 1900 of the Mitchel type of oven are in  $u \in \operatorname{Ind}$  building throughout the region by operators of all degree from the H C Frick Coke Company down his fi are not racked ing those operated by the Rainey in

For mora than a quarter of a cen tury virtuals the cul oven used in the region was the original bechive whose construction permute oaly or laborio's levelling br labor and hand drawn g of the coke These means resulted not only in the highest cost for production but a great 'oss of time in trawing and ic chaiging ovens the later feature in clving loss of all beat by the oven There ore the beenive oven when re charged is cold makin the first stage of combustion slow retarding the cold ing process by that kingsh of time

Mr Mithell's invenion resulted from a carefu study of existing meth ods of drawing coke mechanically from because ovens and he came the conclusion has in addition t drawing machinery a new type of ever was demanded. He began his experiments by using a modified type of the long Weish or Thomas over In this own he found but the coal if the middle or the over coked imporfeetly and to remedy the defect. Mr Mitchell finally hit of on the right idea He revised his oven pan raising the crown or dome of the even at the mid dle and tracing the lome from the center lownward to the oven doors thus prict cally juthing a nechar crown on a rectangular oven. This furnished a comous ion chamber greatest in size in the middle of the oven where he could had not coked the roughly ind growing less in dinen

Having secured an oven which per united of " much give or charge than the bechie even M: Mitenell went further in his desire for improvement It level ar coal according in as even of such size one interied to produce about seven to is of coke from carb charge in a cad of about four and creek it tons which was the average pacity production of the becking oven the former inventor deviseo a mechanica: levelle: which even the charge of coar on top in a few minute. With this machine hundrel overs may to levelled in the time is formally required to level a govern by hand

the problem of taking he coke from the oven was not considered He mechanica methods of other in rettors his was recombished by I fitchell had this proofem in mind when he levise his rectific lar over and the fact ti took ends of his oven were practically of identicui style in constructi a and the rea on for his so making them now up peared Instead of literally drawing or pulling out the coke Mr. Mitchell worked on the bold idea of pushing or ramming the coal out from the oven at a single operation. He devised and constructed a pusher which enters one port of the oven and ram ming the coke thead of it in its pro gress traverses the extre length of the oven at one opp then ejecting was very popular there. He is one the charge. By means of this ram at of the most efficient officers in the even is larred of its coke in two service. tunutes. When his ex criments were finally eros red with success the op erators who came to view the entire invertion in irvelled at the simplicity As is the case in order nellsville inventions many wentered why it lad not a cr thought of before

On the end of the ever where th co e is disclarged it s sent upon a rotary con ever. The conveyor in its trated diagrams its rad b ease which I s accumulated and loads the coke. Opening the provided on the convention to smaller factories to drop brough income clear then serves. At the cuscharging end of the conveyor just before the cove is lo ded into cirs other openings for the purpose dis pose of any particles of dust or neering of the University of breeze which sailed to clear from the has been lately established

load during the first stige of the coke

Mr Mitchell is now working on pecial door for his even, to be placed in position from a suspended electric way This door will be built of steel framework filled in with firebrick and the inventor believes a wall no preticularly adapted for his type of over It will allow of rapid opening Latrobe-Connellsville Coal & and closing Improved types of door are at present used by some opera or in connection with the Mitarell type. of oven but it is Hi Miterell's om t provid a deer which will absolutel it in with all the other improved for tures which he has designed In two minutes the code is pushed from the even, the doer will be instantly closed nd the remaining heat in the oven wil be o' wality for the next courge But any man is needed to ouerale

the ram and another min to operate the conve or In all stages, the Mitchell method of coking greatly re duces Indo costs induces steed and induces Indo costs induces steed and induces the aggregate amount of The Latrobe Connellsville Coal & wiste from coke dust and breeze One Cole Company with general offices at set of machiners is sufficient to care Latrobe Pa. rinks as one of the large for 200 ovens 30 feet long and eight est full producers of Western Pann an oven will produce approximately cokes and gas steam and smitting parties of this company about seven tons of cole per garge coal this concert tigother with seven two exceptions were kept steadily and the coke will show fewer black coal ablitude companies has grown at work and the fact species highly ends and imperfect sections than from steadily from you to your and is still for the graded which absents oven. The cost of chest of the upgrade with further extent are produced by Latrobe Connells ovens companies very favorable with sions of its operations plunned. This ovens compares very favorally with the updated with further extensions of the hose of the Mitchell oven in company is ful caching husiness that the prime spirite in the should not exceed \$200.00 per oven built in the extension to the average cos per oven built in the extension of the control over the whole in the extension of the control over the whole in the extension of the control over the whole in the extension of the control over the whole in the extension of the control over the whole in the extension of the control over the whole in the extension of the control over the whole in the extension of the control over the whole in the extension of the control over the whole in the extension of the Stell Co possible of the Stell Co possible of the stellar of th eriged up to the level of the what; should not exceed \$20000 per oven and the average cos per oven built in units of 200 oven- should not exceed actions all machinery \$555.50 The average cost of beguive avens has generally ben reckoned by oper tors

introduction on the largest scale to take is being made at the new Rey to plant of W. T. Ranco where one bank of 187 ovens are now in operation. The plant is designed to have a total of 748 Yicheld ovens and there is no doubt that this will be perhaps the line and the rest in the control of the rest in the rest in the control of the rest in the rest at about \$700 per oven While fundreds of Mitchell ovens This plan is designed to have cotors of 148 Yichell overs and there is no doubt that this will be perhaps the most most most mellor at the Corona of the soft has considered on the name in the region as these overs have passed out of the experimental stage and are an accepted free in the region.

Among the many endorsements from the darks are the soft will be the soft that overs are out the first the first that the first the first that the soft that the soft that covers are out that the first that

Among the many endorsements ich the Mirchell over none are regarded more highly by the men or that that of John Pulton the vettern coke an moning expert of John town who are 1 alan often spoker the last word in many "7" problems of the trad TIT LURES has prepared on interesting and coaplete description of Mr. Milchell's proess and these interested can secure a copy of whit Mr I ul on h s to sy ubout the process by addit and Mr Mitchell at I montown Pa. The Mit cheff process is prefected by United States letters fatent numbered 891 886 and dated September 20 1968

### MINES AT SOMERSET.

Brothersvallry Coal Company Now Fully Reorganized

The Brothersvilley Coal Company reorganization of the W & Niter Coal Company is now in active on ra-tion with offices the same is with the old company the home offic be no in

The officials (lected are as tollow, Directors John W Griegs John B Mc Lonall R A C Smith H L Read New York W H KOMIZ Some act the roughly and grow in less in dilnen in any John Fochit H B Reed vice sion towards the ends of the oven as Officers. President H B Reed vice sion towards the ends of the oven the President John B McDonald Secre President John B McDoniid ber I came less in proportion to the tary and Treasurer D V Reynolds di tance from the regular ventilating General Manager, D T Price Gener ports it the ends al Counsel John W Criggs, existor net general of the United States

The about and representatives will ontinue as in the old company. M. Klous Boston, J. W. Gillaway, Bal. t more G M Woodward Chieva McD Price and E Forest Powell New York The comp nys mines of Somerset Pa are now running to ca the tornige being above he former output. These mines produce a high grade coal well adapted for il steam purposes. The compact of planning to go after the steamship bunkering trade in ar I about

### DETAILS CHANGED

New Squad of State Police in Charge at Brownsville

INION FORM I and 7—Sergeant decision of 1-10 tons
Paul B Stout accombaned by Pring the first state cell
value I haz Stevens and Barriof the At Telenstown or the State (onstabulary have use med charge of the statio at Brownsville reneving Scigt I rash and his detail The retiring State Constables go to arrana in Wishington county is the custom to change details every three months

Sergt Stout is well known in fits ette courty - He was shot and scrious s wounded in 1908 by Frank Christiner but recovered and resumed duty Sto t also commanded a detachment which was sta ioned in Cornelisville He is one rend

### Celebrated 81st Burthday

A New Course

# SAXMAN INTERESTS ARE BIG FACTOR.

Coke Company Has Extensive Interests.

Enormous Daily Output of All Kinds of Fuel From Many Plants Which Employ a Total of 6 000 Men-Crushed Coke a Specialty

fect six medes high at the top of the salvania. With a great daily tonnage and D. W. Gross is Secretary dome in the center of the over. Such of high grade standard coke crushed an over will produce approximately cokes and are steam and summing plants of this company with but one about seven tons of cole per clarge coal this coleral tigether with seven tons of cole per clarge.

ited and in addition 1 600 tons of contact daily produced for radiroct us topoining it It Superior No. I with 70 cold outs and a tilly coul ton Truce of 1 000. Next comes born No. 1 plus stimated at art mills with 500 midera oxens and 5 co c count This works is one of the Irra, see of the companion to ble other mines of this compan, with onexecution is equipped with electic fault, and fitteens ruction of the ples and head frames. Adjoining his-Derry No - ther to eas are open red and of roas of roal ar shipped afty or feel

Superior plant No. 2 is located on the Boders lie breach. It is a cert supple exclusively having a duly colucies of contours. Superior No. neftd s marker comme plant of the otens in I moter rects emislor. Busines 1911 mg the evins this plan his a daily only shipping tennace of

The addition to the above the com-ing opens the time Millwood col hery a Milwood station which is an first and general broaker that there injort and rangon colling for the transfer transfer the transfer transf half is imployed a resister of if the reson of the local contractions.

the figurational Coultompins on of or 500 tors. A furt or sub-id Cole (empits which aperates the first and the Cole (empits which aperates the first and the first through through the first through through the first through the first through the first throug cision of concerns. The Green will place his a monthly output of CISICE

is the cu mon a the Califf Conference also infiliated with I grobe Connells and the lang duly production of late tons of the hose

At Ichustown or the me of the But impress Oldo Ruhoud is the plant of the Kriso Smekel as Conf. Company with a fully output of about

n med in Pennsylvania

Al Deri No J and Superior No
plants breader in chines are employ
of to clean the cord of any slate which ney has the overlooked in loading vintondri Pe Tao n ching ritto nine cars. While much of the lately shipped to the Clows read of the over the pictions as the following the first one of the over they are used as the over they are used as the over they are used as the over the o

Another plant if diated with the booked old a is folk in

it to take a fine coke. This plan. A number of the above trachic will consist of several lundred ovens are working or not ow 12 toot yards The Department of Viming Ergi will consist of "everal I under ot use working or nut or 12 foot yards needing of the University of Illinois I portion of which will be in operation. Improvem ints enable the company to [before the end of the current pear place them on such vards

The coal is reached at Rissellion by means of a shaft 200 feet deep and the operation will consist of rot es than 400 ovens when fully completed fie con is equal to any from the resport soon and the tests about nade indicate that the company will have to excellent grade of color Fac Russellten plant will be favorably su inted for slipmonts to Pittsbig the

The above figures serve to give come idea of the extent of the Latiobe Connellsville Company a bisiness. Th company employs in the neighborhood of 6 000 men it all its operations the great impority of whom have been MAKES FINE GRADE OF COKE working for the concern for years I has note hid any labor difficulties with its men owing to a liberal policy pursued towards them The member of the company keep in close rouch with their worling forces. Robert K Cassatt of Philippilubia is President M. W. Saxman of Latrobe is Treasurer and General Manager and he is the man who keens in constant touch with operating and producing condi-tions in the fold. Al Sixmin of Introbe is Vice Presilent of the con panand E M Gross is Secretary During the recent depression

concerns. The coke produce i by the Permatering Concerns The coke preduced by the second coal and coke producing plants under the test of chemist and plants its directly operated by this consumer has met the standard of excompany while several other operated library defined and is equal in
tions under structle incorporations quality to the great majority of the

## NEW YEAR OUGHT TO BE A HUMMER

Well Posted Railroad presses Belief That 1910 Will Break Records

Frederick P Tries life speni agent to the Punishman ramond in the Cornellsville putin in dicti conditions for the n

abuse VI in the Crise of the Control of the Crise VI in the Crise William I in the Crise Wi

### MANY MACHINES SOLD.

Covington People Have Encountered Big Dem rid for Drawing Appl ance #

the coverage of the state of th us s Additional drawn his recent Company with a full only if or and tens of the Quanthoning models will the plant ships shiph a grade of surfaces and smithing could be a sufficient whose 100 m is a third plant whose 100 m is a sufficient whose 100 m is a s to been installed at the Contine tal ic now litogether drawn by nacin Another riceline has been installe he Vinten Colliery Compan Two n chins wer res ford Comp my in Cirada

The Covington Committy has Swmin iniciests and controlled by Liwing machines for the Woodward Geiebrated stat Birthday

Joseph Soisson or of the ordest and controlled by them is the Doing G so Sind (on all them is the Doing G so Sind (on nellswife juned) celebrated his or the number of the Pennsylvan a Sist birthday an inversary Sunday it failtroid. This plant has a daily child by the partition of Sister and company it Segum a Colo milities, a failtroid of the partition of Sister and the failtroid of the Pennsylvan a company it Segum a Colo milities, a failtroid of the partition of Sister and the failtroid of the Coloration of the Colorat Solsson considering his age enjoys shas and building and state Pass field company of Dawson you health

The Latrobe Connels ville Community of Dawson Compose Safety Lamps

British miners have an autipathy for safety har ps and 2 of cents more per ton is part those who use them in the Nottingham district

A New Course

A New Course

# MT. PLEASANT CO. A GREAT PRODUCER.

All Plants of This Interest Are Located in Original Connellsville Basin.

MAKES FURNACE COKE ONLY

Na Found v is Called From Product of Ovens, Insuring a High Grade of Furnace Coke Manufactured From the Cream of the Ninc foot Seam

of the largest and nost im

portant of the following in a control whose plants in all centered in the original Contells with Lasia coaste tory and when makes a specially of supplying furnice cole is the Mr. The sant Cok. Company The interest of he filtred corpora-tions specifies about 700 orders a signal amount quote of which are now ing finalica the company nates actuately it does not lick ver my of its brogacts to seeme ip centage of four iveoic indow to this olice the confine to her with is subsiding increase his the repetition of shipping in exceedingly or median injectic pathy of melion best function. The common sequences is a little term of the common to the common of the commo coup is implose 800 m in at

is vinous beinties which are distincted in the nin teoreoids in Its pans on the cells total ic sign or about to a resolvent sr on thou 1; tres of coil s m which ments bout 10) crestes of tool which ments bout 10) crestes of last version of Villem Herwicele install he I b the concern to tool tool of the Mark 11. in south a to the Will control to the control to the Will control to the control d) the as petiter to n the V t and C c Contains the ac int Com Hearth ( Oak Con and in I to V tran V ter Com

The Mt P sint (ca Comput) or which not 1 to 1 d to pe nt one runge is the Power and Batty parts the Mt To Vetting (cl. Comput) or regions which have such that the Mt I as in Compell will cold to upa votate the mest to did to the Mt I as in crit to the mest to did to the Mt I as in crit to the mest to did to the Mt I as in crit to the mest to did to the Mt I as in crit to the mest to did to the mest to the mest to did to the mest to the mest to did to the mest perform the did to the mest perform to the mest perform to the did to

step in some control of the following state o of the state of the state of the first state of the state

of the clin a reason production rips Iv a fring control from harring the Nr. Plasin l satt mailin satur Theom int 5 % if compa-

was luc oth furt it it comprises the model of CHOW plants of the company And Freight Warehouse to Be Built

recommendate of the Version Witter Company to substitute The billion which also finishes with the soft like the sof to peration which itso furnishes where to sere out ide in telests from

Com in is 14 Kinn its President and the incompling with W. I. Wilson is Secretar in I. General Manager. At the L. al of the Veterar Cole Company is 1 A. Strick let now a faction of W. Halisbur, 1905; 11 v. 10, the custoff numes.

J L KENDALL President S A KENDALL, Vice Prest J H HENDERSON, Secretary J C KENDALL, Treasurer

# Kendall

# Lumber Company,

## **MANUFACTURERS**

MAIN OFFICE. Pittsburg, Pa. BRANCH OFFICE, st National Bank Bldg Connclisville Pa-

Kendall, Md Crellin Md

WE have made the Connellsville Coke region-and its especial requirements, in our line--a careful study for the past twenty-five years, and have placed ourselves in peculiarly good position to serve the coke works in this section satisfactorily. We carry on hand at all times large stocks of such lumber and timber as the coke interests demand and have these at nearby points and on low freight rates.

YOUR PATRONAGE IS SOLICITED.

JAMES BRADDOCK Pres PAUL MAUZY, Treas

TELEPHONES Bell 346 Tri State 718.

## GENUINE CONNELLSVILLE COKE.

SUITE 729 FIRST NATIONAL BANK BLDG,

UNIONTOWN, PA.

If there is desired to the matter of the mat

### NEW C. & O. STATION.

at Somerset

The Billiams of Cohio has majoung a the it will built a new pre-enect

Custom Mines Prospering
The fast couple of weeks have runte

### MINERS ARE READY.

Base Veterm and Benty works are a plantable name of the first training of the first training of the first training of the first training of the second of the first training of the second of the first training during the special verse convenion of the Putsburg district test fall rice but essents that I was defeat and

Cicen's election is sound a number of quistions which will in n at 1 things to bold minors and of titors will him to be decided at

Time of Institutes Mine institutes are busy throughout

# IRON WORKS MAKING SAFETY DEVICES

in Two New Life-Saving Inventions.

### DEADLY COAL DUST CONQUERED

By Simple Automatic Spraying Ma-Shaft Cages and Loaded Cars Added to the Specialties Made By the Con-

On a certain tract of vacant ground in West Connellsville, facing the failt road tracks, where nothing stood less than three years ago, the magic com-bination of brains and industry has caused to rise thereon one of Greater Connellsville's greatest industries. To sizes or shape of brick, that may be day a round one hundred men find at hand. Once filled the doors are employment by day and night in the complete for a long time. At one plant shops of the Connelisville Iron Works, where these doors are now used, the At all times since this enterprise was labor bill on the doors has been cut born in a little shep, additions to its down from \$15 per day to nothing. At size and capacity have been going up, several plants in the region the doors As this is being printed, the company have been in use over 18 months and has just linished another addition to show little signs of deterioration, the plant, to bouse a part of its ma- Wherever used they have been a

Such remarkable growth in so short the endorsement of operators and a time must rest upon solid foundation financiagers generally.

tion. The company's manager, All-steel largest and The company's manager.

Whitaker, had worked for

Under patients the Connellsville center or side discharge are built to Iron Works is now turning out order.

a line of regular mine machin. The all-steel dump wagon turned ery and many specialties, which have cut by the Connellsville Iron Works society ratified the action of the revolutionized many methods of doing is superior for bauling coke ashes or council. Mr. Halberstadt returned things about the coke works of the re- any other material about a plant, is naturally much gratified. The gion, and whose fame has gone into which is handled in toose bulk. The other and remote mining fields. To driver can operate the dumping deday many special devices made at this vice without leaving his sont and can since it was not sought, but was supplant are known throughout the bitum: also spread coke ashes, stone or any gested by three scientists who are inous coal fields from the Appalachian other dressing for goads, in the same men of international reputation, Dr.

tention of those using such articles fall times. The new and secret process of brazing castings, large and small, which is controlled by this company basebrought it a perfect Ningara of work. Castings up to 10 tons in weight have been successfully brazed and made as road or term better them served by good, or even better than new, by the process and castings up to a weight

ested. One of these innovations is a sprinkling car for mine; which is opersprinklers has been in use at the Trotter plant of the H C. Frick Coke Company for six mon hs past and is a complete success.

The company also manufactures a The company also manufactures a safety cage device, which is the most positive in its action yet known to the mining world. It is convenient, easily tested and absolutely reliable at all times.

The company has in proved certain every-day articles of use about mines.

M. At wertington where it will a roots the West Fork river over a large bridge.

It is said the pians for the new plant which will be one of the large times.

The company has in proved certain every-day articles of use about mines for the work.

lices. Take the all-ste-l coke barrow for Instance. It is built of corrugated ateel sheets, light but strong, and every part is made of steel or iron.

This barrow cannot catell fire, cannot be be broken or wreesed by a garden.

This plant will give the Baltimore signers and the sons, who must necessary and leaves the large and large an be broken or wreeked by careless handling and is made in standard sizes which weigh about the same as thé old-fashioned wooden barrow, and in some instances less. Its life is many times the life of a wooden bar-row and in the end it has value as scrap. Even the wheel on this barrow is of steel. These barrows are generally displacing wooden barrows through the Connellsville region, West Virginia and Virginia.

The all-steel mine car, made under the company's exclusive design has many important improvements. The steel parts, as with the roke barrows, are interchangeable and adjustable The bottom of these cars, when worn out may be replaced in a few minutes by loosening several nut-, shoving in a w bottom and tighten ng up again. The attachment of the truck to the ping of operations as in the case with wooden cars, whose smash-up always means hours of labor in cleaning up. They are equipped with a special gear which does away much of the jolting and arring occasioned in taking a trip of cars out of

The all-steel coke oven door is an other striking innovation which is rap-

## Options Are Being Sought on 50,000 Acres of Henry Clay Coal.

are desired by an eastern syndicate, representatives of which are now vis-liting farmers in Henry Clay and making propositions for options.

Details of the plan and the identity of the purchasing company have not been learned, but a prominent Henry

It is not considered likely that any ly Simple Automatic Spraying Mar company can sectore options on more tehine—timproved Safety Stops For than 20,000 acros in that section, as several thousand acres have already been secured by Fayette county peo-ple and by other parties. D. B. Zimmerman of Somerset owns large tracts

of Henry Clay coal. Practically all of the land from the Yough river to the crest of the moun-

The open spaces may be fitted with all complete success and have received

John Whitaker, had worked for most improved types are being turned years on bless emi-edying improved out at the Connellsville Iron Works. ments designed to save labor, money Larries adapted to any motive power and time in the operation of mines from the mule to electricity are turn-and coke plants.

barrows for coke yards, all-steel ured by the company it does a general L. J. Steurnan professor of geology frames for coke over doors and all-life of sheet from and plate work in the New York Luiversity.

steel body dump wagons were among also employ expert machinists and Four years ago a Fellowship was the earliest products to arrest the at-bellermakers for emergency work at conferred on Capt. Halberstodt by the the encliest products to arrest the at boilermakers for emergency work at

### BIG COAL PLANT.

It Will Be Erected in Lincoln District of West Virginia.

The Pittsburg & Buffalo Coal Of even greater interest to the coal plant near Festus, on Teverbaugh creek in Lincoln district. Marion appliatness perfected by the real plant and control of the coal plant near Festus. ty. West Virgima. This company re-cently purchased a large coal field hing between Teverbaugh creek and sprinking car for mine; which is operated by compressed air, the compressed air, the compressed air being generated by the car's own motion. One of these of Teverbaugh. The plant will have sprinklers has been in use at the lab outlet through a railroad which the company will build down the creek to Worthington.

Nearly all the rights for this road a complete success.

The convenience with which it lays the dangerous dust, ecommends it, self to all mine operators. It is set to all mine operators. It is called the company also manufactures a manufactures a series of the company also manufactures as the convenience of t

to carry over its lines. The output make good American citizens. The ers bring everything ender easy and will be enormous and this great trans-tendency of the companies in the Ir complete control of the operator. The portation system will have to make win-Greensburg field, however, is to main vertical shall is carried in a

### BUNOLA DOWN.

The People There Think Railroad is ignoring Them As Retaliation

As a result of changing tracks and trouble growing out of it at Bunola, the mines of the Monongabola River Consolidated Coal & Coke Company there are undergoing an enforced idlences. The moving of the main tracks of the Pittsburg & Lake Eric railroad of the Pittsburg & Lake Eric railroad bottom of the cars it so timple that it is virtually impossible for this car to get out of order. The body of the car is directly bolted at the axies which are flanged at the edges, giving the body of the car a secure resting to genous the body of the car a secure resting to genous the body of the car a secure resting to genous the body of the car a secure resting to genous the village. Recently the station at Banola was moved southering up of the road and the stopic and the stopic and the stopic of operations as in the case with the cause is supposed to lie in the range fully to sustain the workings. idle. The couse is supposed to lie in the failure of the railread company and lie in the failure of the railread company and there is the New Haven hill over the company in the supposed to lie in the suppos and land owners at Bunola to agree it all. on a price for property involved in the shifting and straightening of tracks.

idly coming into use where ever there and more are being issued daily.

Options on 50,000 acres of coal land port is the principal vein, but there a Renry (liny township and vicinity are said to be three or four distinct veins, Uniontown people say that the Asbury Carroll seam in Wharton township is seven feet in Lhick-

While several large tracts of Henry Clar coal have been bought up, there has never been any wild scramble for the matter said he had been approached for options and had been approached for options and had been some same provabling price has been from \$15 to proached for options and had been some same provable price has not been learned told that the company would like to the eastern syndicate.

the eastern syndicate.

Henry Clay coal is at an average depth of about 50 to 60 feet and it out crops at Humbertson and Tub Run. There has been no mining except for local consumption. Uniontown people express doubt that the coal there is adapted for coke and say it would probably be purely furnace coal. many places it could be easily mined, but in others there would be more or

### HALBERSTADT'S HONORS.

Fellowship Conferred by the Geological Society of America.

At the great meeting of the scien tific societies held last week in Bos-ton, the Goological Society of America unanimously voted a Fellowship o Baird Halberstadt, of Pottsville.

The Society is composed of most emigent and learned geologists of America and Europe and is probably the most exclusive society in the Inited States.

Membership in its is much sought though but very few are admitted. Capt. Halberstadt was invited to submit to the council of the society a record of his professional work both of a public and private nature for examination. The council after a searching examination recommended the conferring upon him a Fellowship. At the meeting hold at Harvard College the

from Cambridge Friday night and honor is more highly appreciated to the far western fields of the Miss-issippi basin.

Larries, all-steel mine cars, steel Aside from all specialties manufact. Geologist of West Wirginia, and Dr.

Geological Society of London. England, in recognition of his services in advancing the cause of geological science, and this likewise came un-

In presenting his name to the council one of its members salu. "The masterly work of Mr. Halberstadt in correlating the coal beds of the first bitum nous ceal basin in Pennsylvania is in itself sufficient to entitle him to this recognition." At this same meeting five of the most distinguished good agists of Europe, including Sir Archi-bald Geike, F.R. S., England's great-est geologist, were elected correspon-

### COKE COMPANY IS FOSTERING GOOD WORK

and Entertainments Promoted by Two Westmoreland Concerns.

IRWIN, Pa., Jan. 12 .- E. G. Smith and H. F. Bovard, general superin-tendents of the Westmoreland Coal Company and the Keystone Coal & The company has in proved certain every-day articles of use about mines and coke works so as to convert them into specialities, protected by putent rights. The improvements are of such a decided and sweeping nature as to bring the Connellsville from Works a perfect flood of work along certain lices. Take the all-ste-d coke barrow in Panny and the Keystone Coal & therefore, no expense is required for Company and the Keystone Coal & therefore, no expense is required for Company and the Keystone Coal & therefore, no expense is required for Company and the Keystone Coal & therefore, no expense is required for Company and the Keystone Coal & therefore, no expense is required for Company and the Keystone Coal & therefore, no expense is required for Company and the Keystone Coal & therefore, no expense is required for Company and the Keystone Coal & therefore, no expense is required for Coal Company, respectively, are list install than.

The people of Worthington are bleased with the results of the educational and amusement features introduced within the year. The two official and annumement features introduced within the year. The two official and annumement features introduced within the year. The two officials as vertical, sliding coals have something like 15 000 men teveling shaft, which drops down and coke. The work of this lorge with an output of more than 0,250,000 raised up therefore, no expense is required for Company and the Keystone Coal & therefore, no expense is required for Company, respectively, are list install than. The machine consists of a wheeled than the results of the education of which a swenging frame, at the little town has such a bright full dead within the year. The two official and annumement features introduced within the year. The two official and annumement features introduced within the year. The two official annumement features introduced within the year. The two official annumement features introduced within the year. The two official annumement features introduced within the year. Th

This plant will give the Baltimore signers and the sons, who must need and lowers the same. Two description carry over its lines. The output make good American citizens. The controllers, a hand wheel and two ley-tion carry over its lines. The controllers and this great trunstant tendency of the companies in the irresponding to the operator. The Lortation system will have to make win-Greensburg held, however, is to main vertical shall is carried in a preparation for greater things in that better conditions of their mines to shiling cross-head which is guided by part of the State than it has ever had give them better chaintations, better vertical ways and is raised or lowered to ment before. That section is just opportunities to store their minds by means of two wire cables wound with knowledge and furnish rational on drums, mounted on a shaft driven ucusements.

### A NEW OPENING

For Mining Davidson Coal on West Side Made by Frick Company.

The H. C. Frick Coke Company in

its operation of the Davidson works has now traversed nearly two miles underground and has made in outlet to the surface at the crop line on the West Side of Connellsville, where the

or the operations and will be used by filson shaft to where they are engag Over 180 certificates of labor have off in their mining work. This will offent granted to minors in Charleroi, he quite a convenience and will effect and more are being issued dairy. probably 55 to 100 miners.

# **COVINGTON COKE**

Simple and Effective New Machine Stands Highly Successful Test.

### AS GOOD AS THE COKE DRAWER

Covington Machine Company, Pioneer In Coke Handling Machinery, Places New Labor and Money Saving De vice on Market-Tested at Conti nental No. 1.

What has proven to be one of the ost remarkable inventions for assist ing in the economical production of coke, since the birth of that important industry, is a new and unique machine for leveling bre-hive ovens. This machine is now being placed on the mar-ket by the Covington Machine Company, of Covington, Virginia, the fain which a few years ago introduced the first and only successful coke drawing machine, the nonviarity of which is known throughout the coke regions of the United States and Canada.

One of these mechanical levelers has One of these mechanical tevelers has been in operation at the Continental Mo. 1 plant of the H. C. Frick Coke Company, near Unfontown, P.a. for the past six meaths, and has attracted so much attention that it bids fair to equal, if not cut-rival, the popularity of the coke drawing machine. A brief outline of what this leveling machine is accomplishing, both as a labor-say ing and moneymaking machine, is given below and should interest evevone whose interest is at all along the line of production of cove.

As an example, the Covington Com-

pany gives the record of the machine at Continental No. 1 plant; This machine levels 185 ovens per

day, finishing its task within one minate after the last oven is charged. The machine is operated by one man and the inhorozoning alone amounts to about \$14.50 per day. In addition to the saving of labor, the perfect work of this machine makes it possible to not only burn off the usual, charges put in an oven, but in addition, allows the charging of approximately seven per cent, more coal, thereby in-creasing the output of the plant, and makes into coke the coal which has heretofore been carted to the ash dump, due to the charge nor burning off by reason of improper hand-level-If the amount of coal carted to the ash dumps daily throughout th cake regious were known it would startle those who are putting forth every effort to conserve of this valuable commodity which is

rapidly disupposing.
The proper leveling of the machine is not the only thing which makes I possible to burn more coul than customary where band-leveling practised. Where the machine is n ed as soon as an oven is drawn the daubed, before the oven is re-charged thus conserving so much more heat that the the new charge will ignite within one-third the time where leveling is done by hand. This gives the coul longer to burn and has juite a little ly do towards lucreasing

A description of the leveler and it ovration follows:

The machine runs on the larry track, uses the larry trolley and opmates through the transel bend berefore, no expense is required for therefore, no expense is required for are its install tion.

on drums, mounted on a shaft driven by faction gearing. This leveling shaft is partially counter-balanced. By of overs. It is as active as a larry abandaned Witch Hazel mine in Char-means of a hand lever the triction on the track, and is never in the way gearing can be thrown in, raising the of the chargers.

Anyone desiring more information than probable that the Chartiers Valshaft is partially counter-balanced. By leveling shaft; or by dropping the lever a brate comes into action, holdng the shaft at any desired height. brough the trannel head, is provided

at its lower end with a pair of panto-graphic arms, which shut up between he head when going in or out of the extent wher leveling. In leveling, the operator moves his

nachina near the center of the oven adjusts it to the center of the trun-nel head by the haid wheel, throws over the hand lover, causing the shall to drop into the oven, and by means of the controller starts it revolving. I friction device operates an internal rut, which, moving a plunger rod wit i in the vertical shaft, opens out the The opening made likely will be leveling arms. By the time the arms utilized as an ingress and eggess for are moved og: to their full extent the mivers who live near that point the oven is perfectly leveled. Reverthe oven is perfectly leveled. Hever, make a start on the work has not ing the motor closes the arms; throwbeen made known, but probably some ing in the friction raises the south time diract the coming spring.

# LEVELER READY. COKE—OVEN—BRICK

# "EUREKA" BRAND

ALL

# HAND MADE

Have Stood The Test Years

The Modern Brick For Modern. Coke Ovens

The above cut represents a battery of Rectangular Coke Ovens erected October, 1907, and in continuous service ever since, and not a Single Brick renewed during this time, and yet, the ovens are in as good condition today as when built.

The brick used in their construction were EUREKA BRAND, clay bond, sili-

MR. COKE OPERATOR:—Is this not sufficient proof, that Eureka Brand Hand Made Coke Oven Brick are the best? But this is not all our evidence. We have other proofs.

The location of the above plant furnished upon application to our office. Bell Phone No. 49, Dunbar.

# EUREKA FIRE BRICK WORKS,

MT. BRADDOCK, PA.

PENN STATION, PA., U-S. A.

SPECIALTIES:--Straight Spoke Annealed Wheels; The Eureka Wheel; and Angle Bar Truck for Mine Cars.

A Record of Years ofSatisfactory Service

The state of the s

Ask for Names οf Companies Using.

### THE "ANGLE TRUCK" FOR MOTOR HAULAGE!

This whole combination produces a rigidity not found in any other construction now on the market. We have in this combined, Increased Strength and Ease of Haulage. No "wobbly" wheels or axles out of alignment. The Depreciation is practically negligible. The axles wear on all sides, while the Angles and Boxes are indestructible, thus reducing repairs to a minimum.

SEND FOR ILLUSTRATED CATALOGUE.

ly as well on a double or single block pairing to open up and operate the

pany, Covington, Virginia, or Union-town, Penca.

## TO EXPAND.

Verner Goal Company to Operate New

The Verner Coal & Coke Company which owns some 870 acres of coul in monts in all the districts which have cell township. Washington county, uncir activities directed from Charlescontemplates opening up a mine or tou, W heir block of coal in the near juliare I the Chamber of Commerce. The company has in mind to build a branch taitional from a point on the Chartiers Valley road hear Green-schion up into their coal, a distance of between one and a half and two station in into their coal, a distance gaintle River Consol lated Coal & of between one and a half and two Coke Company resumed on Thursday, miles; but just how soon the work has not emailed a stort on the work has not

Charliers valley is only getting right-livet near the outeron and is of excel-ly started. It will be very much heav-that quality. Some claim it is the fer during the coming years than it Pittsburg coal and others that it is has been in the past, or is now.

## Short of the Demands. Mine outputs are short of require-ments in all the directs which have

The Gallatia mines of the Monon-

Fell Into Shaft.

COAL NEAR SCOTTDALE New Discovery Puzzling as to Its

rearing can be thrown in this machine and the chargers.

Innic No. 2, at Westland. It is more interesting more information than probable that the Charities Val. The vein of coal found on the farm the shaft at any desired height.

The leveling shaft, which drops if the Covington Machine can be are brough the trunnel head, is provided pany, Covington, Virginia, or Union.

The coal business in the Upper inspected the coal, which shows five

the Freeport vein.

State Police Assigned, On account of the many orlines and violation of the law at Marianna dur-ing the past few months, a detach-ment of the State constabiliary has been stationed at that place,

Mining is a national and not a local

industry tot it is followed in some form or other in every one of the 46 States and all the territories, not including the District of Columbia

Jacob Drwalt Named.

ing in the rigion raises the soul time divine the coming sprins.

to its apper position, and the machine is ready for the next oyon.

The machine can be Lutt to level any sized oven, and will operate equal. The Pattsburg Coal Company as presume that of the lambon Coal Company as presume that continue the continue season. The pattsburg Coal Company is presume that the lambon Coal Company is presume that continue the continue season. The pattsburg Coal Company is presume that the lambon Coal Company is presume that coal operation is the continue that coal operation is the coal operation of the plant of the dambon Coal Company is party at Barrackville, W. Va., by fall-addition for Justice of the Peace on the coal operation of the plant of the dambon Coal Company is party at Barrackville, W. Va., by fall-addition for Justice of the Peace on the coal operation of the plant of the dambon Coal Company is party at Barrackville, W. Va., by fall-addition for Justice of the Peace on the coal operation of the plant of the dambon Coal Company is party at Barrackville, W. Va., by fall-addition for Justice of the Peace on the coal operation of the plant of the dambon Coal Company is party at Barrackville, W. Va., by fall-addition for Justice of the Peace on the coal operation of the Peace on the coal operation of the Peace o

# UNION SUPPLY COMPAN

FAYETTE AND WESTMORELAND COUNTIES

# January Rummage Sale In Full Blast

This is the season for cleaning up stocks and at everyone of the Union Supply Company sixty-three Department Stores there is a special Rummage or Clearance Sale now going on. Many lines are being closed out at wonderful reductions. It is a great opportunity for Women to secure many valuable bargains. It is a great opportunity for Men to outfit themselves. It is a great opportunity to outfit the children, boys and girls. Stocks are heavy-stores overloaded. We must reduce them. We take this method of creating a demand. The goods are all new, in good condition, and we offer them to you at at least 25% less than we could buy the same goods in the market today.

Go to the nearest Union Supply Company Store and inspect the great bargains. Go just to look, if you want to. You are under no obligation to buy. We solicit inspection. Go early.

# UNION SUPPLY COMPANY

63 Department Stores.

Located in Westmoreland, Fayette and Allegheny Counties

# DUNBAR FURNACE CO. OWNS MANY PLANTS.

One of its largest and newest industries is the same plant, one of the largest and newest industries is the same plant, one of the largest of its kind in the country having now a capacity of over 800 tons of high grade silice sand daily. This is sent to the large coal wisher where the remarks and daily. This is sent to the large coal wisher where transported and handled to fill the furnade from crushed, screened and increased and then coked in the bymade from crushed, screened and increased and then coked in the bymade in an immense subway, directly washed silies rock brought down by product overs. Dumbar is lighted by his company, ginfa.

The sand plant recently has installed a large dryer with a capacity of 30 tons of dry sand per hour so that the recompany is in posmon to solip all and hig iron has been made at this plant since 1791.

The first furnace was called "Union" tons of dry sand per hour so that the almost continually for 118 years. The first first name of the furnace was clanged to has a separate reservoir capacity with "Dumbar" in 1814. The first steam enthe water from frishtown creek and gine on the first hot blast stove used Company, which manufactures glass also two deep yells from which water in confusions on the first hot blast stove used Company, which manufactures glass also two deep yells from which water in confusions and the furnace was provided from the first hot blast stove used Company, which manufactures glass also two deep yells from which water in solve the furnace was provided to the furnace was called "Union" bar at Trotter, Pa., in which the Dumbar in 1814. The first steam enthe water from frishtown creek and gine on the first hot blast stove used Company, which manufactures glass is the proposition of the furnace was called "Union" bar at Trotter, Pa., in which the Dumbar in 1814. The first steam enthe water from frishtown creek and gine on the first hot blast stove used Company, which manufactures glass are the proposition with the furnace was called "Union" bar at the first of the furnace.

nace Company is largely interested has made a great many improvements At this plant the famous wire glass and built two modern stacks, one of is made and the fuel for it is the which No. 2, is a skip-filled furnace Is made and the fuel for it is the which No. 2, is a skip-filled furnace waste gas from the Semet-Solvay Come 50 feet plath, built and blown in in the many's rutort ovens which is ano her fall of 1900 and solling ofme and has one of the Dunbar Furnace Company's allied industries and where the well foundry, force, basic, car wheel and known Dunbar by-product coke has been successfully made since 1505 the first block of 50 ovens being the first block of 50 ovens being the first by-product code plant in the latter of the No. 1 stack is also a mode first by-product code plant in the latter of the first block of 50 ovens being the latter of the No. 2, is a skip-filled furnace one of the value of the order of the not and base and the plant of the product code plant in the latter of the stacks is also a first by-product code plant in the latter of the first block of 50 ovens.

BILINGAR RY-PROBILIT COXF

Together With By-Products, and Dunbar Pig Iron Are Noted For Purity.

Acreage of Company Contains Sand and Cement Rock, Iron Ore and Timber.

The Dunbar Furnace Company, Dunbar, Pan, owns approximately 8,000 acres Is wild mountain land covered with good timber and underlaid in parts with siles and rock, Iron over ed auth good timber and underlaid in parts with siles and rock, Iron over ed auth good timber and sone, cement rock and slay. It has 150 tenement thouses in good condition and underlaid in both 3,000 acres is good condition and underlaid in thouse in good condition and underlaid in both sides of the valley right boside house in good condition and underlaid in both sides of the valley right boside house in good condition and underlaid in thouse in good condition and underlaid for evens. The No. 1 mine is on the North side, from which 1,000 tons of har Furnace Company has revived is a furnace Company has revived is a furnace Company has revived is seen and so the furnace of the parts with sides of the valley right boside has furnace Company has revived is a furnace Company has revived is seen as the part of the contains.

gravity from a large quarry just above the mill. The send rons about 19,50% done on the company's ratirons, the sists of three large connecting tunpure silica. There are three mills all New Haven & Dunbar R. R. Co., nels lighted by electricity, which pow-

she water from Irishtown creek and sine on the first hot blast stove used Company, which manufactures glass also two deep vells from which water can be number with compressed air negative price of the property of the prope

tway, the Centinuous Glass Press and in 1876, the present bunhar Fur-company, in which the Dunbar Fur name Company, acquired control and BY-PRODUCT COKE ovens.

This coke is used in the furnace ent. production by running both and the surplus is shipped to the variations, which will mean that the Dunlous furnaces and foundries in differ- bar Furnace Company will be making the country. That it is a about 500 to 600 tons daily. It is

One of its largest and newest industies shape signs is the valley was opened in the fail of the last 22 years the furnaces have less is the same plant, one of the large.

1908 and is a drift mine from which been using the Lake Superior ores of

nace in an immense subway, directly belind the furnaces and between them pure silica. There are three milis all New Haven & Dunbar R. R. Co., hels lighted by electricity, which power not by electric power generated by which extends up the valley a consider allied industry, the Dunbar electric Company, which furnishes power and light to the different industries and light to the different industries and light to the different industries of the subway where the iron ore, limestone etc., are transported to the furnace. The town of Dunbar is lighted by his company, girla.

The same alpha recently has installed. The company of the real part is into the furnace and filled in the company of the same and but recently has installed.

ESTERDAY, Vacuum Cleaners cost \$65.00 to \$250.00—a big outlay in eash. Today, a single ONE DOLLAR BILL will put a guaranteed "RICHMOND" Saction Cleaner in your home.

And the balance of its purchase price you pay for out of the actual month-to-mouth money which it saves you.

You are paying the price of a Suction Cleaner now, anyway—whether you

You are paying its price out in house-cleaning, alone for a "RICHMOND" makes house-cleaning needless. You are paying its price out many

times over, in the hard labor of sweeping and dusting, which the "RICHMOND" makes unnecessary. You are paying it out, again and

again, in the damage which dust does to your furniture, to your hangings, to your clothing, to YOU.

You are paying the price of a Suction. Cleaner when a single DOLLAR would

# Puts the

<u>"RICHMOND"</u> Suction Cleaner

Points About the "RICHMOND"

Suction Cleaner.

Suction Cleaner.

-costs loss per month for electricity than the average family spends for breeins.

-liter a very of consistent use you couldn't find a difinibleful of dirt in a forticen from house if you took all the carpets up.

-no more spring or fall "house-clean-ings,"—no more "swee, and days"—no more "twee and the cost of more "fuster Friegys.

-its total cost is less then the cost of one simile annual adorse-cleaning—to say nothing of saving the wear and tear which house-cleaning brings to furnitude.

tear which hous, cleaning brings to furniture, ecleans furniture, walls, upholstery, bedding, coolings, doesn atlons, bookshelves, the flows, hardwood flows, nooks and crunies, as well as making oil captes look like row.—couldly calculate in homes, offices, store, botels, hospittle, libraries, schools, churches, theatres, public londings.—without any change or adjustment, uses either detect or elicinating current universal motor of our own construction.

rent universal motor of our own construction.

-thirty feet of electrical cord, with connections seeket, comes with the cleaner—extry bing ready to start—any une can do it.

-thirdsome in appearance—all exposing reads are lightly potential—operates with easy gliding motion, no pressure required.

## In Your Home.

Your guarantee is absolute. If within one year, any "RICHMOND" Suction Cleaner breaks or shows defect, it will be replaced with a new one. It is the guarantee of a \$3.000,000 company. A company with four large plants, and branches and agencies in all cities.

### The McCrum-Howell Co.,

Banufacturers of
"RICHMOND" Heading "Systems,
"RICHMOND" Seap Suvers,
"RICHMOND" Bath Tabs. Layatories,
Sinks.

POUR PACTURIES: Two at Unintum, Pa., One at Norwich, Conn., One at Rueine, Wis. General Offices:

## Park Avenue & 41st St., New York

if convening and perfect cleanliness were worth inchesped in were worth inchesped in were worth nething to let an end to sho backardas of sweeping to to a dradgery or dusting, to the backard of accordingtion to infinize it at these were worth NOTHING Resember this:

Many bave written us that they were so delighted with the "Incilmonip" that they desired to own it outright at

that they desired to own it outright at once.

Many have written us that they were so delizated with the "ROCHMOND" but it evidesired to give it to someone as a present.

And fee these reasons they asked us, as a favor, if we would not make them a special cash price, so that they could own the matchine outright, and increased it to the friend whom they had in mind. To meet these conditions we make a special cash price of 86% and if, after 10 days use the "RICHMOND" isn't found to be all we claim, return the michine it our expense and we will tell the pay the recommence in the "RICHMOND" that we have such great conndence in the "RICHMOND" that we have such great conndence in the "RICHMOND" that we prefer to allow it to pay for a self through the work I saves you, at the rate of \$0.00 per month.

### DOLLAR COUPON.

THE McCRUM-HOWELL CO., Park Avenue & Ust St. New York I receip order on "ROTHMOND" Spectron Cleaner, complete, with home attachment and seven specim tools, or when I agree to pre to your erder \$1.00 fortal the and \$6 on per month for twice consecutive meeting. The to be given to when full amount to paid.

Name of Eie tric Light Co. ......

The "HICHMOND" Saction Clemer, will pay its own cost and earn you a profit besides. From netral month-to-mouth maney it saves.

me amorana alka a marattar an

MERGER OF ROCKS COKING INTERESTS CAPS A: BRILLANT CAREER.

John School and Marked Sc

tactor are the south Fayette Coke owns a fine piece of col Mr Semans induct commands a milket it discovered by the Male of Coke Company and the Brownsville Coke Company all of which produce the highest I inted Pire Birck Company, and of several immer concerns in addition. These companies slip very little foundry one of their plants none whatever so that their plants none of their plants none whatever so that their plants none of their plants none whatever so that their plants none of their plants none whatever so that their plants none whatever so that their plants none of their plants none of their plants none whatever so that their plants operated the plants operated the plants of the plants none whatever so that their plants operated the plants of the plants of the plants none whatever so that their plants of the plants plants none whatever so that their Falmer is President

Shipments are made with the great opens located none Ingrediance El furnace customers get the best coke Captain I M Hustead also associated promputation and the size of the combined interests across to and I'llen No. 2 with 50 opens also that can be made and coke which has add with Mr Semans in various coke of the combined interests across to and I'llen No. 2 with 50 opens also not been culted to foundry purposes of the combined interests edies to and other enterprises is well known as received to customers the best enterprise to total monthly capacity of about financiers of the Connells ulter region 1,000 tons placing them in position 1,000 tons placing them in position 1 Edgra Hustead Secretary of the treatment of them in loses to fill big furnace contracts satisfies South Payette Cole Company is one of the prince your men in the treatment of the minutes and torily and regularly

The names of the men associated ham is Vice-Pre ident and General and output but also hold large coal re-

with Mr Senians a his coking enter prises rank equally high in that in show that the combination of the a dustry both from an operating and telestrenumerated make up one of financial standpoint. James W April the strongest in the region. Every fight who is Pre dent of the South branch of these cate pises it given Paymaster Nemed For Bolough Aud field man of all bree concerns and the work and that these coupen to the item in Scottdale shoulders the re-possibility meident are highly successful from this mess-to the operation of half a dozen plants—standroint—soes without saving—The I E Hustead is Secretary of his comploite of catering practical volume his been in that by his Republican pany Everhart Bierer is Vice Presi turnace interests alone is now considered Democratic first design a condition while Mr S mans is the Treas ered he best policy by all operators for anditor of Scot die Lero ich He occupie the same position whose plants me of sufficient size Hinthorn has been a panish ma Magee Coh: Company of which The Sericus Hustead Abrahan, mucr and efficient auditor for two terms Magee was President Mr Abra lests possess not only the physical size

Shipments are made with the great

of the rising youn, men in the trace yards is of the lest to include the various business and financial by hand insuring he largest funace all intenses above indicated to be hand insuring he largest funace

### ON BOTH TICKETS

John Hawthorne paymast toot he America Short & Tin Plate Cot pany

The Weekly Counter \$100 a year

Following me the stants operated by this company. The mas with the overs located non-Introduce El at Whitney and Yu on plant with 1.00 ovens located on the new Yukon branch of the Pennsylvania ruliond

I home, he its output is used well of the building he have by linear to the foundry. Harry Whyel is Presiden of a min of the United States as its coke compute and this but her. Congress as of the highest grade the real, which is secretary and tension conclisivile standard. Since the day that Thom is was statted at his new tension in the cole business having by to been shat down for an hour nor gun at the very bo to not the udies both has a single oven every stopped mak and through native shrewdness and haid

intime coke within a few months in ich of the work on them being it scrip compated this property hes 13 Fem field township Westmore) and Valuable Property at Point Marion to courty close of a member of column.

Jeannette Company lants whose product comes from the fore the close of the near filtines. One of the adjacen points that the sum is the consistent which is the well known. White, distinct by a large consistent which is of the well known. White, distinct by a large consistent which is of the well known. White, distinct by a large consistent which is of the sum is of such is deed to be adjacen point where so in characteristic by a large consistent which is of the well known. White, distinct by a large consistent which is offer large consistent which is the Western Mariland will it is any be the womanisms the Western Warland will it is any be the to haul trains the close of the west of the large consistent which is the womanism will be any be the womanism to say the womanism which is the womanism to say the womanism which is the womanism to the womanism to the womanism to say the woma minde at the Flien plants is or side to the plants in the plants is or side to the plants in the pl

They Are Managed By a Company Man Experimental Tools and the Arthural National Control of the French Control o

### GLASS COMPANY SELLS

Jeannette Company grade. Where the Balt mor time scale of cult and the east noth it is found that ion has sold to the tours to get 25 car loads over the ing experimental than this cole as learnest Window G so come in a mountains the Western Warsland is has held its place in the market it teles of and in Limited town will it is one to the total trains

sotungham among d trict or Lng

Ohio allierd has grades which range from 6 to 7 per cent. The proposed nne of the Mestern have 2 per cent for the maximum grade. Where the Balt more & Ohio. the maximum

the first course out of single able to it concerns not so freely then the first course out of single able to it concerns not so freely then the full course to first the first that it will had more triffic han the Balti nice & Ohio ver lid

Falling Roofs

| Fin W | in dividing 1 is said
| I illing roofs are clears, I with note will eith in tween Pittaourg
| him half to leath securing in the and tri will besides reducing the districe 1 is expected if a a test freight services will be innugarated.

properties are virtually administered

dose together and are easily hamiled.

George Whyel, in addition to own-ing a heavy interest in the company, has been General Manager of all its plants, for which position he is spec-

a member of the Board of Examiners

to examine candidates for the office of State Mine Inspector in the bitumin-

ous fields of Pensylvania and his sor

fields. Mr. Whyel has often been called in to make special examinations

and reports on various matters related

to coal mining and he is regarded by

those who know him best, as an ex-

was one of the experts who visited and reported finally on the Marianna

mine after the explosion there last

SUES FOR STOCKS.

Courier. Only \$1.00 a year.

pert in questions of this kind.

# **BIG TRADE FACTOR** IS PICKANDS-MAGEE.

Acts as the Exclusive Selling 'Agent for Numerous Large Concerns.

### FOLLOW A STRONG POLICY

Dwing to its Control of Enormous —Handles Highest Grades of Fur-Palmer plant of 80 rectangular oven located in the Ligonier Valley.

Prominent among the firms which have made a specialty of marketing Connellsville coke, with direct, ex-clusive connections in the trade, and controlling the output of a number of plants owned by partners in the com-pany, is the Pickands-Mayee Company, is the Pickands-Magee Colminary with offices in Pittsburg, Uniontown and Toronto, Canada. This company has for many years held a strong pany has for many years held a strong pany has for many years held a strong conters, so that it possesses a company is represented in the various large manufacturing pany has for many years held a strong conters, so that it possesses a company is represented in the various large manufacturing pany has for many years held a strong content and understant and handles and handles are represented in the various large manufacturing pany with offices in Pittsburg. Union-town and Toronto, Canada. not only all grades of coke in heavy not only all grades of coke in heavy dilag organization which remains in quantities, but is also a factor in the close touch with the trade at all improved in the close touch with the close marketing of coal, much of which it secures through direct affiliations with producing interests.

The recent death of W. C. Magee well-known to the fuel trade of the United States, will result in the early reorganization of the Pickands-Magee Company of which he was president, but the business of the company will proceed and grow as heretofore, and it will be conducted under the same lib-eral policies which have brought success to the company.

The latter was organized June 29, 1903, and with each year has broadened its business. Mr. Magee was for years identified with the H. C. Frick Company as manager of sales as vice-president. The other stockholders in the company, who still reain interests are Harry Whyel and George Whyel, R. W. Semans and C. L. Doyle. The company handles directly and is exclusive selling agent for the coke from plants whose ovens

skill reads interests any flarry Whysel
C. L. Poylor. The company flare and the content of the color from plants whose aciding agent for the color from plants whose aciding agent for the color from plants whose aciding agent plants are situated in the Contential filter region cocopy the P. P. And the contential plants are situated in the Contential filter region cocopy the P. P. Powers and the region of the contential plants of \$50 overs, acidated in the Contential filter region of the contential plants of \$50 overs, acidated in the Contential filter region of the contential plants of \$50 overs, acidated in the Contential filter and the Thomas and the Contential filter region of the population of the content filter region of the population of the contential filter region of the population of the content filter region of the population of the many plants directly, the company has been able to make regular shipments, as a shortage of product from W. Cunningham, presented Monday, Riverview plant was purchased. In neents, as a snortage triproduct from W. Containgulant, presented Monday, Riverview plant was purchased. In any one plant could not cripple its the court issued a citation on Greene the following year the Sterling coal facilities for delivering the goods. In Federer, a fire boss at the Redstone was secured and the building of that other words, by reason of its big mine, to show cause why his certificiant hegun by the Sterling Coal & swing in the trade, the Pickands-Ma cate as fire boss should not be revoked Coke Company. These plants were get Company has established a reputed. Cunningham is mine inspector of joined under the style of the Consolitation for promptness and reliability the 21st District and charges intoxic dated Connellsville Coke Company, in meeting its contracts and engage cation on the part of Federer. The which was organized to take over the

The Pickands-Magee Company has shipped much coke to the smelters of the Southwest both by boat and rai known wherever coke is used from ocean to ocean. The many plants producing coal and coke, from which it draws its shipments, have enabled the company to give to each custome exactly that grade of fuel which would best serve such customer. In other words it is able to fill an order for coal or coke, on close specifications and its customers are not disappoint ed in their consignments.

Among the plants for which the company acts as direct and exclusive selling agents are the following in the Connellsville region: Virginia, 160 ovens; Sterling, 290 ovens; Donald Nos. 1 and 2, 402 ovens; Thomas, 40 Output, This Concern Has Estab ovens; Ellen Nos. 1 and 2, 90 ovens lished Record for Prompt Shipments and Annamyra, 32 ovens. It also is the exclusive selling agent for the Ft

> The Pittsburg offices, located in the Frick Annex, are in charge of able representatives, while the Uniontown offices, located in the First National Bank building there, are in close touch with all the operations repre sented. The Toronto office looks after both coal and coke consignments and business. In addition to these main pete and up-to-date selling and han portant centers of business. It is one of the largest, if not the largest sentative of operators.

### GREENE COUNTY COAL SALES

Daeds Filed in Recorder's Office Waynesburg the Past Week.

Waynesburg the Past Week.
Burgess J. H. Zimmerman of Waynesburg, made in important coal sale a few days ago, disposing of 104 acres in Whiteley and 67 acres in Franklin township, to J. E. Hess, of Fayetic county, at \$230 per arm, tota iconsideration \$42,750,

F. P. Henshaw of Brownsylle, has sold to R. F. Downey, Esq., of Waynesburg, 15 acres, and to Mrs. Jennie W. Downey, 25 acres of coal in the Smith Creek block, south of Waynesburg, at \$200 per acre; consideration \$5,000.

William Hankins of Uniontown, Lassoid to Emma G. Calke of Braddock, Uniterest in 172 acres of coal in Springhili township; cansideration \$4,305,500.

Other deeds recorded recently for

hearing is set for February 6. plants which it owns today. The

# GEORGE WHYEL HAS LEADING POSITION.

Is Known As Builder and Operator of Coke Plants and a Mine Expert.

### ON STATE BOARD MANY YEARS.

Began Life as Poor Mine-Boy But Rose Rapidly to Highest Positions-General Manager of Consolidated Connelisville Coke Company.

Operating a total of \$52 ovens, with a gross annual production of about 550,000 tons of standard Connellsville coke, the Consolidated Connellsville Company, whose guiding spirit

All four plants are located in proximity to each other near Gray's Landing on the Monongabela river and the coke made at them is of standard Connellsville grade. It should be noted that all these plants are equipped solely with the regulation beeblyo oven and while this oven causes some waste, in that by products are lost, it remains a fact that no better coke can be made than the output of the

are of brick, including the washer, defendant company requiring them to time ago.

Wirghia works are similarly equipped, issue a stock certificate to the petiA 6 by 12 Robinson fan at Virginia tioner and eccord immother rights to nearly \$50,000,000 in betterments this delivers 300,000 cutile four of air per high side is member of the concording is are of brick, including the washer,

# ns one operation, although under separate local management. They lie RUMORS ON S. & C.

taily fitted by reason of his wide technical knowledge. For 12 years he was Through Train Then Probable Between Johnstown and Washington.

# vice in that position was highly satis-factory to the State mining officials and the operators of the bituminous

This Year That Will Necessitate the Expenditure of \$80,000,000 and Among Them Will Probably Be New Low Grade Around Sand Patch.

There is good unofficial author-Mr. Whyel, like his brother, Harry Mr. Whyel, like his brother, Harry Whyel, is essentially a self-made man, by for the statement that the Somerbles against 305 last year. This despense of the many who began life in the statement that the Somerbles against 305 last year. This despense of the many who began life in the set and Cambria branch is to be double crease in resident taxables is caused connellsville region, mining coal, and that the long contemplated exough which was formerly a part of the coke, the Consonance Scales of the Consonance Scales of the Consonance Scales of the Company, whose guiding spirit is George Whyel, forms one of the largest independent interests in the field. This company was organized early in 1907, and was the outgrowth of several independent concerns which were under the same ownership, the lines he has followed. He is in largest and finest of litel kind in the latter the largest and finest of litel kind in the latter the largest and finest of litel kind in the latter the largest and finest of litel kind in the latter the largest and finest of litel kind in the latter the largest and finest of litel kind in the latter the largest and finest of litel kind in the latter the largest and finest of litel kind in the latter the prime of life, and with unabated beautiful to Johnstown and as the new rounce will be much shorter than that along Stonycreek the H. & O. will be able to exert a strong pull on Baltimore & Washington passenger traffic from Donald No. 1 and Donald No. 2, have jointly 402 overs, semans of Uniontown, is Secretary and thus the completion of the Quemahoming branch into the Bunsereck coal field Scener. This to the Bunsereck coal field Scener. This is the Bunsereck coal field Scener. This is the Bunsereck coal field Scener. This is strictly in the Flow and that the long contemplated extension of the Quemahoming branch into the Bunsereck coal field Scener. This is strictly have a double track line from Rockwood through the form the Bunsereck coal field Scener. This is the Bunsereck coal field Scener. This is the Bunsereck coal field Scener. This is the benefit of the Bunsereck coal field Scener. This is the benefit of the Bunsereck coal field Scener. Into and those points will probably inaugurated with the completion with the completion of the proposed new line.

The Somerset & Cambria branch is East Connellsville Coke Company Devidifically in banding the enormous fendant in Action. traffic which has developed and this now much congested. It taids great UNIONTO CN. Jan. 8—Alleging traffic is still increasing steadily in that the East Concelleville Code Composition. The building of the proposition of the statement is made that the can be made than the output of the baye denied him the just proceeds of Rennerly field will certainly be tapbeing faishing declared to the comThe various plants of this campany are modern and up-to-date in all to fudge R. E. Umbel at charabers,
respects. Donald mine is electrically frishay afternoon, a cared an alterngroup of this project of the Kennerly holdman, options upcouldped and all its outside buildings after we writ of mandanus against the on which were suffered to lapse some

A 6 by 12 Robinson fan at Virginia delivers 300,000 cubic feet of air per influte into the workings while at Donald a monster fan, 5 by 20, delivers unwards of 500,000 cubic feet of air per influte into the workings while at Donald a monster fan, 5 by 20, delivers unwards of 500,000 cubic feet of air per minute. The Donald fan is one of the largest in the region.

Sterling plant of this company is the model operation owned by it. The coal is reached at a depth of 100 feet. The whalf is employed with a modern steel derrick and with heavy Valean hoisting engines, 20 by 36. All the outbide work at Sterling is of brick and is built on a most substantial pattern. All machinery at Sterling is electrically driven. The blacksmith and machine shops are housed in a brick sund the substantial pattern. All machiners house a similar building, 40 by 60 feet, contains two generators and three low-stage compressors. The Subscribe now for The Weekly neines are handreapped on this ac-

### WEALTHIES? DISTRICT.

n Greene County Morgan Township, Valuation \$5,472,219.

WAYNESBURG, Jan. 11.-The valuation placed on the Pittsburg or river vein of coal makes Morgan town ship the richest in the county provided the valuation of the coal in other townships is allowed to remain as fixed by the assessors. Assessor Moore placed the valuation of the coal in his district at \$300 per acre and this together with the valuation placed on other real estate brought the total valuation of real estate in the township up to \$5,472,239. The business relations with B. & O. IMPROVEMENTS COMING the tout valuation of real esta figures three years ago were \$1,778,-787, or less than one-third of the valnation this year.

The returns made by Mr. Moore show that the township contains 13, 794 neres of coal that has been severed from the surface while only 2,721 acres remain in the possession of the original owners. There are in Morgan township this year 232 taxatownship. The returns show that there

When You Want Anything advertise in our classifier column. The cost? lc a word

Executor's Notice.

Exceptor's Notice.

P. S. NEWMYER, Atty.

Estate of Samuel N. Long, deceased Lactors of administration on the estate of Samuel N. Long late of Connellsville Borough, Payette County, Padect used, having been granted by the indersigned, notice is hereby given to all persons injected to said estate to make immediate payment, and to those having chume against the same to present them, properly authenticated, for settlement. HUMBERT LONG, P. Caddies, Scottcale, Pa. 7declaw-5w

### Attorney-nt-Law.

GEORGE M. HOSACK ATTORNEY-AI-Law. Office, Suite 1109 Park Bulld-ing, Pittsburg, Pa. Telephone 1942.

### 464. HOUSEHOLD SILVER

Cleaned in 30 Seconds. according or polishing necessary. All tarnish and ditt instanuly removed. Guaranteed not tour ulver. Full size package postpoid 38 cent of stamps.) Our districted estadogs of house fields Free. Address BENNETT, Lock Bot Doublesch. Pa

### THE YOUGH NATIONAL BANK

OF CONNELLSVILLE, PA.

ASSETS ..... 682,142.34

4 PER CENT. ON SAVINGS ACCOUNTS.

OFFICERS.
JOSEPH SOISSON, President.
B. F. EOYTS, Vice President.
E. R. FLOTC, Cashier.
JAS. B. STADER, Teller.

CONRAD GUTBROD, Bookkeeper. RUTH ARTMAN, Stenographer. DIRECTORS.

DIRECTORS.
JOSEPH SOLISSON,
Solsson Fire Brick Company.
B. F. BOYTS.
Boyte, Porter & Co.
JOSEPH R. STAUFFER,
The Soutdale Bank.
W. F. SOLSSON.
Solsson Fire Brick Company.
ROBERT FELTY,
Connellaville Grocery Company.
H. M. KEPHART,
Capitallat. Capitalist.
S. J. HARRY,
Contractor.
A. HAAS,

# THE BEST for any kind of a lamp or lantern is "Family Favorite" No more tank wogon oil. Get "Family Fa-vorils" cut of the original barrol from our

Waverly Oil Works Co. Independent Refiners

Pittsburg, Pa.

# The Union National Bank

West Side, Connellsville, Pa.

Capital, : : \$50,000.

This bank solicits the checking accounts of firms and individuals and extends to such customers every reasonable courtesy and facility.

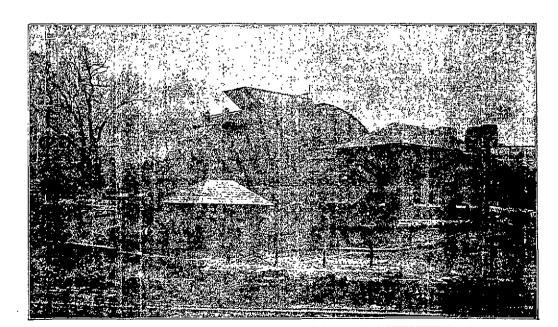
Four Per Cent. Interest Paid on Savings Accounts.

# CLIFFORD FAN WORKS

JEANNETTE, PENNA.

### We Have Designed and Built Over 400 Large Fans

Having an aggregate capacity of over 70,000,000 cubic feet of air per minute. We challenge the world for economy in first cost, correctness of design and durability, mechanical, manometric, and volumetric effici-



### THE WORLD'S GREATEST FAN

at the Edenborn Mine of the H. C. Frick Coke Company, Fayette County, Pa., designed and patented by William Clifford. Wheel, 26 feet Diameter, 7 feet wide; shaft, 45 feet long, 17 inches diameter. Two engines, 500 Horsepower each.

> THE STANDARD MINE FAN OF AMERICA

Clifford Fan Works, Jeannette, Penna.

# TOWER HILL PLANT A MODEL AMONG MANY LARGE WORKS.

### Money Has Been Wisely Spent in Construction, to Give mue will not affect coke production Low Ultimate Cost in Mines and on the Ovens.

Hill during February, 1907
The completion of this plant will give to the region one of its largest operations, and one which is second to none in the thoroughness with which detail and problems of mining have been worked out. Under the close direction of General Manager W L Fogg some entirely new ideas have

cars which are taken out by heavy damper funnishes a procleade out of its while this year the Warresma, motors. The work of installing this between the flues and the ovens and could be placed it \$100 while the united by the countries of the work of installing this between the flues and the ovens and could be placed it \$100 while the united by the countries of the work of installing this between the flues and the ovens and could be placed in \$100 while the united by the countries of the work of the countries of motors. The work of installing this between the flues and the ovens and could be interior equipment will be between the flues and the boilers completed next month and it will in meeting the most serious problem of could two 1000 pound pressure ma countered in transmission.

The work of installing this between the flues and the ovens and could be like the flues and the value of the installing that the countered in transmission of could have been old in the vinious in its history.

With these theorems are the work of installing the power of the inside hallage. The countered in transmission is considered as the countered in transmission.

We will be much larger in a even before more thanking the installing that the countered in transmission. The work of the countered in transmission of could have been old in the vinious of the countered in transmission. At the foot of each shaft large to minals arched with concrete work arc being completed for a distance of 400 feet from the shatt. Thes, erminals Concrete stables are also being in tached to the o en front covering the stalled in the working but they are drawing aperture but its important small us but few inima s will be need point is the fact that at no point is the

separate fun. The fund deliver 100,000 shows no deterioration wherever such cubic feet of air per minute each. By as would be the case were it exposed a scientific system of splitting these to the oven heat currents to the right willert of the at high speed in conjunction with its far as tests have note a diso be this well balanced size of ventile and the first test far as tests have not a diso be the note of the oven front so its than danger from dust is virtually leed in section of the oven front so its eliminated by a system of regular time sprinkling. An ison tank contract of the problems that have clisen more thank 10 collocation of the test and can be recognized to the first test that have clisen more thanks 10 collocation. taking 120 gallons of water and ear particularly in connection with long, ing the coal valuations about that rying spraying facil ties is sent tudinal ovens and either or both are town.

ing operation of the Tower Hill Con every night. The water is sprayed buildings are sprayed by good in nellsville. Coke Company located at through a set of perforated brass pipes torvals. The power houses cover in Republic in the Lower Connellsville attacked to the tank complessed air stallations of lettrical plants and region, will be in full fire with a total at 100 pounds pressure being used compressors each pant being comp of 500 ovens which are equally divided between Tower Hill No 1 and No 2. The pipes spray the water evenly upon bed with o it. 100 k. W. cheritor ind between Tower Hill No 1 and No 2. The pipes spray the water evenly upon bed with o it. 100 k. W. cheritor ind sides and roof. A horse or mule is one 200 k. W. generator low stage. The first pick was struct in at Tower used to haul the sprayer and the ite compressors and the new hillage one-third of the enile wordings are compressors. Sich are now being in sprayed every night, so that the case of the mediancy is of the best true regions. tire workings are thoroughly damp conditions and expense has each twice a week. The management in the flower Fift machiners will be am pite and with a margin for all duties

meeting the most serious problem on continued in transmission

If White has also patested a door townships at a price considerable work well. The door consists of a seesoon this year. The virtuous skeleton frame made from hight an ale sillows. The framework will be seen from the real part of the price o be flooded with electric light with fire brick. By means of a flang are as follows making the handling of tr ps easy ed edge or shoulder, the frame is at Concrete stables are also being in tached to the o en front covering the owing to the general use of steel frame exposed to the oven Done chinery Each shaft carries the air from a Hill for nine months and the frame

irrents to the right wil left of the Another door for owns which his amentines this targe volume of fresh been designed by Mr Fossy and is also air is kept down to a low velocity. The being tried out for ultimate results air is kept down to a low velocity. The being tried out for ultimate results system which has been adopted at the Tower Hill workings carries out this briefed within and without so the idea perfectly and furnishes ideal constitutions of variation. There is pleuty brief door emforced with steel by the of air at the furthest ionis in the the case of this door also no part of mine but its velocity a reduced to a the furnishes and safety. By over heat the curies in important reducing the initial velocity of the feature in addition. Takes open at occurrent the problem of mine dust is acron and the lottering are set into current the problem o mine dust is ac top and the bottom are set into partly met as less just is he d in sus the door with the stell frame at pension in the workings than would furnish contlation. This loop is ab be the case if the irr current traveled solutely unaffected in the oven he if

likely to solve this question in a satis factory wa. This is only one of the points on which the Tower Hill plant. W. A. STONE & CO. ma, prove an object lesson

The steel topies at the plant are probably the largest in the region, where the coal is hundled directly from the bin. The Tower Hill bin has a capacity of about 1 all tons, so that temporary cessat on of work in the As Exclusive Selling Agent At a ch plant the engine bouses fan Low Ultimate Cost in Mines and on the Ovens.

So by the first of June the double cold through a portion of the workings brid righting them freeproof. The

ch et	, ,	
Latt tile	100	-
i bei mil	1 +	5
) ii l	1	
rankl n	1.0	7
t ene	1	4
lmot		
icl i	1	-
ti ~ n	_	7
uff ⊆n toraush	_ ;	4
I I L		-
i roughteli	1	Ţ
It % r 5	1	1
Frris		
13	1	4
ich II		
land ng	1	-
r nghi L		_
1 17	į.	
i hi ⊨tn	1	
Allr I	-	
	10	
The meeting of the	e comt of	- 11
e Is a a re- fr n ni	merous chi	mile
first in the recur		
L S II CS III (III: TEIII	113 13 I V	

vorl in Chicago on account of a

# DO BIG BUSINESS.

Prominent in the Trade

The roof at Tower Hill is exception ally strong giving more than average protection and requiring only more than average prote Acting is the direct representative NEW HOTEL ROYAL

The state of the s

Contemplate increasing

Contem

With the many new connections which Wr Stone has perfected during Classified advone cent a word

This Firm Handles Largest
of Furnace Contracts.

Mt. Store has us means to ind him in the properties of substitution of is discussed, both it the opening one and in the gasest two attails. With a store of grand and in the gasest two attails. With a store of grand and in the gasest two attails. With a store of grand and in the gasest two is as anisod at the firm which he is his time is a said of the properties. The properties of the plant business will be used while the compressors will be used while the compressor will be used while the compresso

# Stone & Company he has placed this concern in lin- to participate in the big business which has arrived. His judgment and to eaght hav placed him in a strong position in the trade so that his firm is now shipping color some of the blaggest urnace contracts that were closed in the region during the last help of the contracts that were closed in the region during the last help of the contracts that were closed in the region. MAKE ENORMOUS PRODUCER.

# tracts that were closed in the region during the last half of 1909 M. Stole has the faculty of select ing able h utenants to lid him in the

THE PLACE TO STOP SHIP feet from of these shifts will will be an operation of many years depth of 1 0 feet to duration and the plant is going to of them 500 feet hat heing their wards completion with this idea in the

chines will be used exclusively for in

m chuncty an build the largest ovens in chuncty an build the largest ovens it edited how mise of safets but on the other hand the best machiners, many thinks of safets build and equipment that is on the market, is being ublited labella

PITTSBURG COAL.

| will be death tracks it the foot of all employed day and night cutting into the coal along the lines of interior de the coal along the lines of interior de to mind to the coal along the lines of interior de to mind to the coal along the lines of interior de to mind to the coal along the lines of interior de to mind the coal along the lines of interior de to mind the coal along the lines of interior de to the coal along the lines of the lines of interior de to the coal along the lines of the lines of interior de to the coal along the lines of the lines of interior de to the coal along the lines of interior de to coal along the lines of interior de to the coal along the lines of interior de to coal along the lines of the coal along the lines of th

(Cuntitu I in lage saig t)

# A WAGE INCREASE FOR THOUSANDS.

H. C. Frick Coke Company Restores Banner Scale of 1907.

### INDEPENDENTS FOLLOW SUIT.

In Fact the New Wage Scale Taking Effect on Saturday is Better in Many Respects Than the One of

Following Its custom, the H. C. Frick Coke Company, the biggest producers of coke in the Councilsville region, made a voluntary mcrease in wages, and thereby led all the big corporations in restoring the high rate of wages before the depression set in during 1907, the banner year of coke making, when the highest wages ever paid for coke making were in

The announcement of the restoratailing the new scale, and saying that ette county, for \$2,251,448 cash. it would become effective next Satur. is the largest cash transaction ever

The last year went by with the process and to be the highest per acres scale of 1998 in effect showing a decrease from 1907 made necessary by the depression. It was somewhat of a surp ise among the trade that the beginning of the year did not see the ginning of the year did not see the prick company making an advance, pany did not know that negotiations.

tion at once announced at Uniontown among the independent producers. It that the independent pants of the means that the H. C. Frick Coke Com-Connellsville region will follow the pany, which supplies the coke for the lead of the Frick company in the mat-

& Sayder Company will also fail in acre for the coal and \$125 per acre line, and all will begin the new wages for the surface. Those who are inwith Saturday.

The Courier and the Phitsburg trade publications is as follows, and comparison between it and previous scales pany, Republic-Connelisville Coke Commany be made by reference to the tab-puny and Tower Hall Connelisville Coke ulation of wage scales in the coke re-Company. The tract has nearly a mile

(All the above by sam; measurement as at present)
Drivers and rope refers (shafts and slopes, per full run. 2.60
Drivers and rope riders (drifts), per full run. 2.57
Cagers per full run. 2.57
Cracklyrts, blasters and timbermen (shafts and slopes), per day. 2.60

Dampers and tipplemen, per fall full run. 2.00
Leveling, per onen 2.20
Chargers, per onen 0.4½
Chargers, per onen 0.4½
Chargers, per oden 0.4½
Chargers, per day. 2.00
Forking cars, 50,000 pounds capacity and less 1.65
Forking cars, 50,000 pounds and 00,000 pounds capacity. 1.75
Forking cars, 50,000 pounds not capacity 1.60
The prices for all other labor, regularly employed in the operation of the plants, will be proportionate with the above.

WORKING TOGETHER

For Extension of Lake Erie Into West

WASHINGTON, D. C., Jan. 10: Plans of the Lake Eric railroad for extension from Fayette county into West Virginia are revealed through bills introduced into the House of Representatives by Congressmen A. Cooper of Uniontown, and George C. Cooper of Uniontown, and design of the building of a bridge and as an incentive to the design of the building of a bridge and as an incentive to the design of the building of a bridge and as an incentive to the design of the building of the design of the design of the building of the design of t on the east bank of the tiver in Greene county near the mouth of Dunkard creek. The other provides for the building of a bridge by the Union

Etkins real, which ends at Rowlesburg and which is planted to be extended to a connection with the West-ern Maryland at Paisons

the Buckhaunen & Nor neru and this company, it should develop into one road will run to Morgentown, where of the best dividend payers in the it will connect with the Morgantown Connellaville region. Its coke will a Kingwood. South of Morgantown come into the market shortly at the river prost to worklet time, both in the mut-

The Philadelphia & Reading Rain Lynn, vice Freezier. Directors, frinking extoxicating liquors. Saloon J. B. Van Wagener, Robert P. Watt, keepers are also barred as contract J. D. O'Neil, C. A. Painter and George miners.

### Scale of Wages Ruling in Connelisville Region, 1904 to 1909, Inclusive.

CLASS OF WORK	1884	1895.	1895.	1896.	1890.	1900.	1903.	1908.	1905.	1907.	1908.
Min, and load, room and rib coai, 100 bu	\$ .78	\$ .90	\$ .954	₹1.05	\$1,121/2	\$1.25	\$1.35	\$1.10	\$1.20	\$1.35	\$1,20
Min. and load, heading coal, 100 bu	.88	1.02	1.08	1.20	1.2714	1.10	1.50	1 25	1.37	1.50	1.38
Min. and load, wet heading coal, 100 bu	.95	1.10	-1.166	1.25	1.31 %	1.40	1.50	1.30	1.45	1.60	1.50
Drawing coke, per 100 bu, charged	.43	.50	.53	.00	6-1	.72	.77	.88 (	.70	-77	70
Lavaling, per oven	.08	.69	.035	1 04	.1016	.12	.12%	.10鬼	.11 1/2		.1134
Drivers, rope riders, (shafts and slopes).	1.65	1.54	1.95	2.05	2.12 1/2	2.35	2.30	2.20	2.40	2.55	2.40
Drivers, rope riders, (drifts) full run	1.60	1.75	1855	1 27	2.02 4	2.25	2.40	2.10	22 80	2.45	2.30
Cagers, per full run	1.65	1.83	1.95	2.05	2.12 1/4	2.35	2.50	2.20	2.40	2.55	2.40
Tracklayers, blasters and timbermen											
(shafts and slopes), per day	1.65	2.54	1.25	2.05	2.12 16	2.35	2.50	2.20	2.40	2.55	2.40
Tracklayers, blasters and timbermen											
(drifts), per day		1.75	1.856	1.95			2.40	2.10	2.30	2.45	2.30
Assist tracklayers and inside laborers	1.35		1.50	1.65	L.72 1/6	1.87 1/4	1.97 1/2	1.65	1.75	1 95	1.75
Dumpers and tipplemen	1 35		1.60	1.68	1.75%;	1.00 15	$2.00 \frac{1}{2}$	1.68	1.80	1.35	1.80
Teamsters, per day	1.35		1.154	1.55	1.65	1.80	1.00	1.60	1.70		1.70
Carters, per day	1 20	1.25	1.325	1.40	1.50	1.60	1.70	1.50	1.60		1.60
Yard laborers	1.10	1.20	1.273	1.35	1.45	1.55	1.65	1.40	1.50		
Chargers, per oven	.03	.0374	.037	.04	04 4	$.04\frac{34}{24}$	.05	.04	.04.4	.04 34	.04 ¼
Chargers, per day	1.40	1 50	1.69	1.69	1.75 %	$1.99\frac{1}{2}$	$2.00 \frac{14}{2}$	1.75	1.85	2.00	1.85
Trapper bors	.50	.58	.615	.68	.78	1.00	2.10				
Forking cars, 40,000 lbs. capac. and less	.85	1.10	1.168	1.25	1,35	1.50	1.65	1.40	1.50	1.65	1.50
Forking cars, 58,000 to 60,000 lbs. capac.	.03	1.25	1,325	1.40	1.50	1.65	1.80	1.50	1.60	1.75	1.60
Forking cars, over 50,000 lbs. capacity	.75	1.00	1.06	1.25	1.35	1.50	1.65	1.60	1.75	1.00	1 75

### A RECORD PRICE PAID FOR THE CLAIRTON COAL

H. C. Frick Coke Company Gets Over 2,000 Acres For Mare Than \$2,000,000 Cash.

UNIONTOWN, Jan. 10.-Through deeds filed in the recorder's office here it developed Saturday that the Clauton tion of the scale of 1907, and some-thing better in a number of lines, was frick Coke Company las sold to the H. C. frick Coke Company 2.614 acres of commany made on Monday, when no-tices were posted at all the works de-tailing the new coke and covering that the court face land in Luzzene township. Thus day.

I made in Fayetic county coal, and the
The last year went by with the

but the restoration came this week as somewhat of a surprise to many leaked out that deeds had been rethousands of workers. thousands of workers.

President O. W. Kennedy of the siderable comment in coal and iron independent Coke Producers Associa and steel circles, and particularly ther of wages, and put back the scale has provided for the future in this line for many years.

The Ramey interests and the Oliver

The Frick company paid \$850 per

formed on such matters say that in the All classes of employment will be af-fected by the new scale, and it means price for a large tract will seem small, an advance of from 5 to 15 per cent. In The coal is said to be of an exceedwages for the various employes aclingly good quality, and experts fre-cording to their classification. The new scale as was forecasted in ity of the big tract for making coke.

The property adjoins the coal lands of the Isabella-Coanellsville Coke Comgion from the year 1904 to 1908, both of frontage on the Monougabela river inclusive, which appears on this page. and both rear and front are traversed on and after January '6, 1910, noted on an after January '6, 1910, until by railroad lines. The Isabella-Confurther rotice, the following wages and prices will be paid for labor by the Frick Company and others as proporties are award by I. Thompson and the surrounding are myseld by I. Thompson are myself and I. The myself are mys holdings and much of the surrounding properties are owned by J. V. Thomp-

son of Uniontown, and associates.

Just what the Prick company intends to do in the way of developing the unmense tract has not been dirulged, aithough it is generally lieved here that big coking plants will be built in the near future. in some quarters it is intimated that the company will not develop the newly acquired holdings until the present mines are worked out.

President Thomas Lynch, who is regarded as one of the best informed coke men in the country, and a number of the higher officials of the H. C. Frick company recently made a general inspection of the coking coal lands in this section, as well as the company's plants now in operation, but no mention was made then that the company was even considering a pur-chase. Whether the recent visit of President Lynch and party will have anything to do with the development of the large tract could not be learned

arly employed in the operation of the During the last eight months a nuts, will be proportionate with the number of large coking coal deals ove.

Payments' Semi-month y, same dates tion, but none attracted so much attention as the present one.

> Subscribed now for The Courier. Only \$1.00 a year.

### ISABELLA OPERATION.

(Continued from Page Seven.)

endeavor to make the communes at Isabella as agreeable as it is possible to make them in a maning community.

The coal which is owned by the Radrond & Deck Company across the Isabella-Connellsville Coke Company some river at Morganto vn.

The latter bridge will connect the Buchannon & Northern with the Morgantown & Kingwood railroad, the sand will be some a Bowley of the Monongahela river, and it was also the last tract of any considerable size that was em Maryland at Patsons
The Lake Eric is to be extended south from its present terminus to the State line. There it will be joined by such baunon & Nor hern and this where the company, it should develop into one of the best dividend pages in the lost dividend pages in the second of the lost dividend pages in the lost on the market in Fayette county, of the high grade nine-foot seam. With the development of the property on

k Kingwood. South of Morganiowa come into the market shortly at a most favorable time, both in the market mit it meets the Western Maryland at Belington, W. Va.

Following me the officers of the Isabelfa-Connellst. He Coke Company. Cut Out the Booze.

J B. Van Wagener, President; H. R.
The Philadelphia & Reading Rail Lyan, Vice President; Robert F. Watt,

Established 1859.

Incorporated 1894.

# Jos. Soisson Fire Brick Co.,

Fb. 10, Apr. 1, Oc. 1, Ja. 1, Ap 20, Mr. 1, Jan. 1, Dc. 16, Mar. 1, Mar. 1, Jan. 1,

## High Grade Silica and Fire Clay Brick

For Coke Ovens, Furnaces, Glass Houses and Cupolas. Special Shapes on Short Notice. Tile and Ground Clays.

Annual Capacity of Combined Works 60.000.000

Volcano.......B. & O. R. R. Moyer......P. R. R. Davidson.....B. & O. and P. R. R. Layton......B. & O. R. K. Kingston .......L V. and P. R. R. MAIN OFFICE: CONNELLSVILLE, PA.

# SILICA Coke Oven Brick.

# KIER FIRE BRICK CO.

### H. M. Crawford. L. C. Mechling.

Fayette Engineering Co. Civil, Mining and Consulting Engineers.

Mine and land surveys of all kinds. Plans, estimates and Superintendence of construction of complete coal and coking plants, rallroads, water works, city paving and sewerage, etc. Examination and reports on coal lands and mining properties.

### Specialties: Coal and Coke Plants.

ELECTRIC BLUE PRINT DEPARTMENT. 601-2 First National Bank Bldg. Bell and Tri-State Phones 248 UNIONTOWN, PA.

THE W. G. WILKINS CO., OVER AND MIDNESS. Rooms 902 to 913 Westinghouse Building, Pittsburg, Pa.

SPECIALTIES -- COAL& COKEPLANTS The following is a partial list of Coke Plants for which the W.

G. Wilkins Co. have b	seen the Engineers:
Hecla Coke Company, Pinnis 2 and 3 800 Oliver & Snyder Steel Co., Finnts 1. 2 and 3 1,108 Austin Coal & Coke Co., Finnts 2 and 3 420 Colonial Coke Company, Smock 100	U. S. Coal & Coke Co., Flants 1, 2 and 3
Smark	Fairbank Works 160

Second National Bank Building.

### JAMES B. HOGG M. AM. SOC. C. E.

## CIVIL AND MINING ENGINEER.

Municipal Improvements, Water Power Development, Reinforced Concrete Structures, Railroad Locations, Development of Coal Properties, Examinations, Reports and Designs.

M. A. KIFFER

J. S. AMEND.

C. R. WILSON.

UNIONTOWN, PENNA.

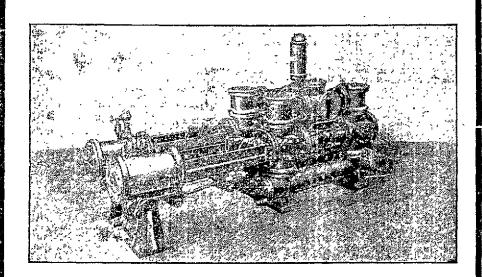
Standard Connellsville Coke.

GAS, STEAM AND SMITHING COAL

# The Connellsville Manufacturing & Mine Supply Company,

CONNELLSVILLE, PA.

Sole manufacturers of the Lepley patents and designs, covering a full line of Modern High Grade Mine Equipment Machinery



We have the largest and best equipped mine equipment plant in Western Pennsylvania, fitted exclusively for the production of a high grade product. We manufacture

PUMPS. ENGINES. FANS.

Air Compressors.

Steel Hoisting Cages.

and the state of t

STEAM, COMPRESSED AIR OR ELECTRIC. SINGLE, DUPLEX OR TRIPLEX PATTERNS. WOOD LINED, BRONZE OR CAST IRON FITTED. FOR MINE, TANK OR MILL SERVICE.

HOISTING, HAULING OR STATIONARY.

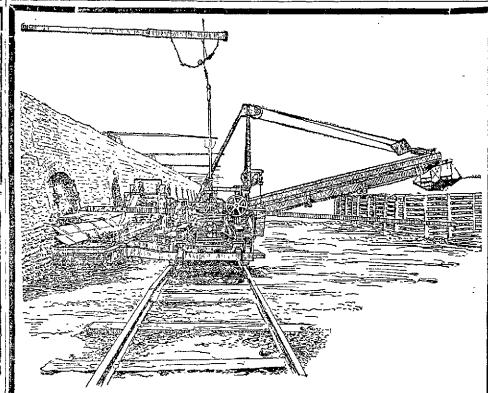
HEAVY STEEL PLATE CONSTRUCTION FOR HIGH DUTY SERVICE, BLOWING. EXHAUST OR REVERSING. DRIVEN WITH PLAIN SLIDE VALVE, PISTON VALVE or CORLISS ENGINES.

SINGLE OR DUPLEX PATTERNS. SIMPLE OR COMPOUND.

PLATFORM AND SELF DUMPING. LARRIES, SCREENS, CHUTES, BULL WHEELS, HEAVY

GEARS AND SPECIAL MACHINERY. We manufacture none but the highest grade machinery, using only the best materials to be found

We are also prepared to accurately duplicate promptly any part of any of our machines. Your inquiries will receive prompt and satisfactory attention.



The Covington Coke Drawer and Loader

Requires But Six Men to Do the Work of Eighteen.

MANUFACTURED BY

The Covington Machine Co.,

COVINGTON, VIRGINIA.

Branch Office, at B. & O Crossing of E. Main Street, - - Uniontown, Pa. the first of the state of the s

# Graceton Coke Co. FURNACE AND FOUNDRY COKE

GRACETON, PA.

Our Foundry Coke is unexcelled by any. Its low sulphur and ash and high fixed carbon make it superior to many. It has the ability to give high melting ratios in your